



## universal douglas WLC-4150 Dialog Lighting Control Unit User Manual

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## General Information

The WLC-4150 implements a list of BACnet objects that monitor and control associated Dialog objects.

- Follows BACnet Standard Revision 17
- Uses BACnet Application Specific Controller profile.
- Supports COV Subscriptions
- Supports Read-Property-Multiple
- Support remote device reinitialization
- Supports command prioritization

### Out-of-service flag

All WLC-4150 BACnet objects contain a writable out-of-service flag. This flag is used by operator workstations to disconnect a BACnet object from its physical output. The out-of-service flag is not an indication from the 4150 that the associated Dialog object is unresponsive. All out-of-service flags have a default value of false on powerup.

Setting an input object's out-of-service flag to true causes it to hold its most recent present-value. It no longer updates as the associated Dialog object changes. In this state the present-value can be written but this has no effect on the associated Dialog object. The present-value of input objects can not be written while the out-of-service flag is false. It works this way to comply with the BACnet standard.

Setting a value object's out-of-service flag to true causes the same behaviour as input objects: The present-value remains writable but no longer has an effect on the associated Dialog object.

In BACnet systems with multiple workstations it is possible for one to prevent all others from properly controlling a piece of equipment by setting an object's out-of-service flag to true.

### **Network-Port Object**

The WLC-4150's IP Address, Default Gateway, Subnet Mask and BACnet UDP port can be changed through the network-port object (PORT1). Writing to other properties such as the MAC Address will result in an access denied error message. Writing to these properties does not have an immediate effect. The 4150 will not change its network settings until it is power cycled. The changes\_pending flag indicates that a restart is required to complete the update. A restart can be initiated over BACnet with the device reinitialization command.

BACnet and network settings can also be changed through the 4150s touch screen. The IP, Subnet, and Gateway menu is under Settings-> System Settings->Network Settings. The BACnet port is under Settings->BACnet Settings.

### **Device Reinitialization Command**

The WLC-4150 responds to device control reinitialization commands with a hard reset in all cases. The primary purpose is to reinitialize networking based on new parameters specified by the network-port object. The reset is effectively the same as power cycling the 4150.

Reinitialization is not password protected. If your workstation asks for a password it can be left blank. Options like Cold-start, Warm-start, etc all result in a complete system restart.

### **Device Object**

The WLC-4150's device object allows workstations to view the main system parameters. Device time, object list, location etc. The location, device name, device ID, and description can all be written and will maintain their new values through power cycles. The factory default device name is "4150 BACnet Native". The default Device ID is 4150. On sites with multiple WLC-4150's these parameters need to be changed to unique values. Changes to these parameters occur immediately. A device reinitialisation is not required.

The 4150 can potentially contain so many BACnet objects that the device object list is longer than the maximum packet size. In this situation a segmentation-not-supported error is sent. A list of the device object can still be obtained by reading each index of the object list individually. Most BACnet workstations do this automatically.

### **Command prioritization**

MultiState values and Analog values support standard BACnet write-property command prioritization. They maintain an array of present-values and the priority these were assigned during the write. If a write is made with a lower priority than one in the array the present-value maintains the higher priority value. A write with an empty (null) priority will change the present-value regardless of the priority array.

Elements can be cleared from the priority array with writes of null present-value and a specified priority. If the cleared value is the one presently being used the present-value will change to the next highest priority element in its array. The relinquish default parameter is also supported. This is the present-value an object will go to if all elements in its priority array are cleared.

On powerup all priority arrays and relinquish default parameters are cleared. It is up to workstations to query the 4150's priority arrays and default parameters then write to them again.

## **COV subscriptions**

The WLC-4150 supports COV subscriptions. COV is an alternative to repeatedly polling an object for changes to its present-value. Updates are automatically sent to the subscriber when a value has changed. Analog inputs and Analog values support the COV increment parameter. This controls how much of a change is required to trigger the notification. Writing to an Analog value's present-value can trigger it to send a notification. Writes to an object's out-of-service flag also trigger a COV notification.

COV subscriptions can be infinite or of a finite lifetime. They can also be terminated with a cancel COV subscription command. All COV subscription information is lost when the 4150 power cycles. It is up to BACnet workstations to query the 4150's ActiveCOV-Subscription list and issue new subscription commands when this happens.

## **BACnet Object Names & Numbering**

The WLC-4150 automatically generates names for its BACnet objects based on the Dialog object they read/write. For example the MultiState value controlling individual relay 56-3 will be assigned the BACnet name of "Individual Relay Control 56-3". The 4150 touchscreen allows Dialog objects to be manually assigned names such as "Atrium Entrance". User assigned names are added to the BACnet name in brackets. I.e: "Individual Relay Control 56-3 (Atrium Entrance)".

When the 4150 is queried for its list of objects it only responds with Dialog Objects that exist. A Dialog object exists if it was discovered on the Dialog bus or manually added through the 4150 touchscreen. Without this feature there would be thousands of useless BACnet objects present. This process does not effect the numbering (Object-IDs) of BACnet objects. I.e: BACnet Analog Input 4 will always correspond to Dialog Individual Dimming Status 2-1. The Appendix contains a complete list of how every possible BACnet Object maps to Dialog.

When a new device is added to the Dialog bus a corresponding BACnet object is generated within two minutes. Workstations typically don't expect object lists to grow. An operator may need to have the workstation re-read the 4150's device object list. If a device is removed from the Dialog bus its corresponding BACnet object is not automatically removed. It will remain present until deleted using the 4150's touch screen.

## **MultiState Variables**

MultiState inputs and MultiState values have three possible present-values (1=OFF, 2=ON, 3=NA). The state names are transferred to workstations through the BACnet state text property.

NA represents a Dialog object which is no longer present in the system because it has been disconnected or deleted. Attempting to write Off/On to these objects will not have any effect as there is no Dialog object to control. The present-value will return to NA.

Workstations may set a working MultiState present-value to NA. However this will have no effect on the Dialog system. The BACnet present-value will become NA but the Dialog object it controls will remain at its last Off/On state.

## **MultiState Inputs**

**MultiState inputs are used by workstations to read the values of the following Dialog objects:**

- **Group Status** [ 0 – 127]
- **Preset Local Status** [ 128 – 639]
- **Preset Global Status** [ 640 – 1151]
- **Individual Relay Status** [1152 – 1407]
- **Occupancy Individual Status** [1408 – 1663]
- **Occupancy Group Status** [1664 – 1791]

- **Occupancy Preset Local Status** [1792 – 2303]
- **Occupancy Preset Global Status** [2304 – 2815]

MultiState inputs are intended to be read only. The present-value may be written if the out-of-service flag is set to true, but this does not effect the Dialog object.

## BACnet Object Names & Numbering

### Multistate Values

MultiState values are used to control the following Dialog objects:

- **Group Control** [ 0 – 127]
- **Preset Local Control** [ 128 – 639]
- **Preset Global Control** [ 640 – 1151]
- **Individual Relay Control** [1152 – 1407]

### Analog Variables

Analog values are used to control the following Dialog Objects:

- **Individual Dimming Control (0-100%)** [ 0 – 255]

Dimmers are internally stored as integers between 0 and 100%. The BACnet interface allows real values such as 3.14 to be written to dimmers, however these will be read back as rounded whole numbers.

### Analog Inputs

Analog inputs are used to read the present-value of the following Dialog objects:

- **Individual Dimming Status (0-100%)** [ 0 – 255]
- **Local Photo Sensor Status (Lux)** [256 – 319]
- **Global Photo Sensor Status (Lux)** [320 – 383]
- **Temperature Sensors (°C) (for Future)** [384 – 639]

Analog inputs are intended to be read only. The present-value may be written if the out-of-service flag is set to true, but this value does not effect the Dialog object.

## Relay Status

Multi-State Value = READ ONLY  
 Values 1=OFF, 2=ON, 3=NA

| Dialog ID | BACnet   |
|-----------|----------|
| R1.1      | MSI_1152 |
| R1.2      | MSI_1153 |

|      |          |
|------|----------|
| R1.3 | MSI_1154 |
| R1.4 | MSI_1155 |
| R2.1 | MSI_1156 |
| R2.2 | MSI_1157 |
| R2.3 | MSI_1158 |
| R2.4 | MSI_1159 |
| R3.1 | MSI_1160 |
| R3.2 | MSI_1161 |
| R3.3 | MSI_1162 |
| R3.4 | MSI_1163 |
| R4.1 | MSI_1164 |
| R4.2 | MSI_1165 |
| R4.3 | MSI_1166 |
| R4.4 | MSI_1167 |
| R5.1 | MSI_1168 |
| R5.2 | MSI_1169 |
| R5.3 | MSI_1170 |
| R5.4 | MSI_1171 |
| R6.1 | MSI_1172 |
| R6.2 | MSI_1173 |
| R6.3 | MSI_1174 |
| R6.4 | MSI_1175 |
| R7.1 | MSI_1176 |
| R7.2 | MSI_1177 |
| R7.3 | MSI_1178 |
| R7.4 | MSI_1179 |
| R8.1 | MSI_1180 |
| R8.2 | MSI_1181 |
| R8.3 | MSI_1182 |
| R8.4 | MSI_1183 |
| R9.1 | MSI_1184 |
| R9.2 | MSI_1185 |
| R9.3 | MSI_1186 |

|       |          |
|-------|----------|
| R9.4  | MSI_1187 |
| R10.1 | MSI_1188 |
| R10.2 | MSI_1189 |
| R10.3 | MSI_1190 |
| R10.4 | MSI_1191 |
| R11.1 | MSI_1192 |
| R11.2 | MSI_1193 |
| R11.3 | MSI_1194 |
| R11.4 | MSI_1195 |
| R12.1 | MSI_1196 |
| R12.2 | MSI_1197 |
| R12.3 | MSI_1198 |
| R12.4 | MSI_1199 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| R13.1            | MSI_1200      |
| R13.2            | MSI_1201      |
| R13.3            | MSI_1202      |
| R13.4            | MSI_1203      |
| R14.1            | MSI_1204      |
| R14.2            | MSI_1205      |
| R14.3            | MSI_1206      |
| R14.4            | MSI_1207      |
| R15.1            | MSI_1208      |
| R15.2            | MSI_1209      |
| R15.3            | MSI_1210      |
| R15.4            | MSI_1211      |
| R16.1            | MSI_1212      |
| R16.2            | MSI_1213      |
| R16.3            | MSI_1214      |
| R16.4            | MSI_1215      |
| R17.1            | MSI_1216      |
| R17.2            | MSI_1217      |

|       |          |
|-------|----------|
| R17.3 | MSI_1218 |
| R17.4 | MSI_1219 |
| R18.1 | MSI_1220 |
| R18.2 | MSI_1221 |
| R18.3 | MSI_1222 |
| R18.4 | MSI_1223 |
| R19.1 | MSI_1224 |
| R19.2 | MSI_1225 |
| R19.3 | MSI_1226 |
| R19.4 | MSI_1227 |
| R20.1 | MSI_1228 |
| R20.2 | MSI_1229 |
| R20.3 | MSI_1230 |
| R20.4 | MSI_1231 |
| R21.1 | MSI_1232 |
| R21.2 | MSI_1233 |
| R21.3 | MSI_1234 |
| R21.4 | MSI_1235 |
| R22.1 | MSI_1236 |
| R22.2 | MSI_1237 |
| R22.3 | MSI_1238 |
| R22.4 | MSI_1239 |
| R23.1 | MSI_1240 |
| R23.2 | MSI_1241 |
| R23.3 | MSI_1242 |
| R23.4 | MSI_1243 |
| R24.1 | MSI_1244 |
| R24.2 | MSI_1245 |
| R24.3 | MSI_1246 |
| R24.4 | MSI_1247 |

| Dialog ID | BACnet   |
|-----------|----------|
| R37.1     | MSI_1296 |

|       |          |
|-------|----------|
| R37.2 | MSI_1297 |
| R37.3 | MSI_1298 |
| R37.4 | MSI_1299 |
| R38.1 | MSI_1300 |
| R38.2 | MSI_1301 |
| R38.3 | MSI_1302 |
| R38.4 | MSI_1303 |
| R39.1 | MSI_1304 |
| R39.2 | MSI_1305 |
| R39.3 | MSI_1306 |
| R39.4 | MSI_1307 |
| R40.1 | MSI_1308 |
| R40.2 | MSI_1309 |
| R40.3 | MSI_1310 |
| R40.4 | MSI_1311 |
| R41.1 | MSI_1312 |
| R41.2 | MSI_1313 |
| R41.3 | MSI_1314 |
| R41.4 | MSI_1315 |
| R42.1 | MSI_1316 |
| R42.2 | MSI_1317 |
| R42.3 | MSI_1318 |
| R42.4 | MSI_1319 |
| R43.1 | MSI_1320 |
| R43.2 | MSI_1321 |
| R43.3 | MSI_1322 |
| R43.4 | MSI_1323 |
| R44.1 | MSI_1324 |
| R44.2 | MSI_1325 |
| R44.3 | MSI_1326 |
| R44.4 | MSI_1327 |
| R45.1 | MSI_1328 |
| R45.2 | MSI_1329 |

|       |          |
|-------|----------|
| R45.3 | MSI_1330 |
| R45.4 | MSI_1331 |
| R46.1 | MSI_1332 |
| R46.2 | MSI_1333 |
| R46.3 | MSI_1334 |
| R46.4 | MSI_1335 |
| R47.1 | MSI_1336 |
| R47.2 | MSI_1337 |
| R47.3 | MSI_1338 |
| R47.4 | MSI_1339 |
| R48.1 | MSI_1340 |
| R48.2 | MSI_1341 |
| R48.3 | MSI_1342 |
| R48.4 | MSI_1343 |

| Dialog ID | BACnet   |
|-----------|----------|
| R49.1     | MSI_1344 |
| R49.2     | MSI_1345 |
| R49.3     | MSI_1346 |
| R49.4     | MSI_1347 |
| R50.1     | MSI_1348 |
| R50.2     | MSI_1349 |
| R50.3     | MSI_1350 |
| R50.4     | MSI_1351 |
| R51.1     | MSI_1352 |
| R51.2     | MSI_1353 |
| R51.3     | MSI_1354 |
| R51.4     | MSI_1355 |
| R52.1     | MSI_1356 |
| R52.2     | MSI_1357 |
| R52.3     | MSI_1358 |
| R52.4     | MSI_1359 |
| R53.1     | MSI_1360 |

|       |          |
|-------|----------|
| R53.2 | MSI_1361 |
| R53.3 | MSI_1362 |
| R53.4 | MSI_1363 |
| R54.1 | MSI_1364 |
| R54.2 | MSI_1365 |
| R54.3 | MSI_1366 |
| R54.4 | MSI_1367 |
| R55.1 | MSI_1368 |
| R55.2 | MSI_1369 |
| R55.3 | MSI_1370 |
| R55.4 | MSI_1371 |
| R56.1 | MSI_1372 |
| R56.2 | MSI_1373 |
| R56.3 | MSI_1374 |
| R56.4 | MSI_1375 |
| R57.1 | MSI_1376 |
| R57.2 | MSI_1377 |
| R57.3 | MSI_1378 |
| R57.4 | MSI_1379 |
| R58.1 | MSI_1380 |
| R58.2 | MSI_1381 |
| R58.3 | MSI_1382 |
| R58.4 | MSI_1383 |
| R59.1 | MSI_1384 |
| R59.2 | MSI_1385 |
| R59.3 | MSI_1386 |
| R59.4 | MSI_1387 |
| R60.1 | MSI_1388 |
| R60.2 | MSI_1389 |
| R60.3 | MSI_1390 |
| R60.4 | MSI_1391 |

| Dialog ID | BACnet   |
|-----------|----------|
| R61.1     | MSI_1392 |
| R61.2     | MSI_1393 |
| R61.3     | MSI_1394 |
| R61.4     | MSI_1395 |
| R62.1     | MSI_1396 |
| R62.2     | MSI_1397 |
| R62.3     | MSI_1398 |
| R62.4     | MSI_1399 |
| R63.1     | MSI_1400 |
| R63.2     | MSI_1401 |
| R63.3     | MSI_1402 |
| R63.4     | MSI_1403 |
| R64.1     | MSI_1404 |
| R64.2     | MSI_1405 |
| R64.3     | MSI_1406 |
| R64.4     | MSI_1407 |

## Relay Control

### Multi-State Value – READ/WRITE

Values 1=OFF, 2=ON, 3=NA

| Dialog ID | BACnet   |
|-----------|----------|
| R1.1      | MSV_1152 |
| R1.2      | MSV_1153 |
| R1.3      | MSV_1154 |
| R1.4      | MSV_1155 |
| R2.1      | MSV_1156 |
| R2.2      | MSV_1157 |
| R2.3      | MSV_1158 |
| R2.4      | MSV_1159 |
| R3.1      | MSV_1160 |
| R3.2      | MSV_1161 |

|       |          |
|-------|----------|
| R3.3  | MSV_1162 |
| R3.4  | MSV_1163 |
| R4.1  | MSV_1164 |
| R4.2  | MSV_1165 |
| R4.3  | MSV_1166 |
| R4.4  | MSV_1167 |
| R5.1  | MSV_1168 |
| R5.2  | MSV_1169 |
| R5.3  | MSV_1170 |
| R5.4  | MSV_1171 |
| R6.1  | MSV_1172 |
| R6.2  | MSV_1173 |
| R6.3  | MSV_1174 |
| R6.4  | MSV_1175 |
| R7.1  | MSV_1176 |
| R7.2  | MSV_1177 |
| R7.3  | MSV_1178 |
| R7.4  | MSV_1179 |
| R8.1  | MSV_1180 |
| R8.2  | MSV_1181 |
| R8.3  | MSV_1182 |
| R8.4  | MSV_1183 |
| R9.1  | MSV_1184 |
| R9.2  | MSV_1185 |
| R9.3  | MSV_1186 |
| R9.4  | MSV_1187 |
| R10.1 | MSV_1188 |
| R10.2 | MSV_1189 |
| R10.3 | MSV_1190 |
| R10.4 | MSV_1191 |
| R11.1 | MSV_1192 |
| R11.2 | MSV_1193 |
| R11.3 | MSV_1194 |

|       |          |
|-------|----------|
| R11.4 | MSV_1195 |
| R12.1 | MSV_1196 |
| R12.2 | MSV_1197 |
| R12.3 | MSV_1198 |
| R12.4 | MSV_1199 |

| Dialog ID | BACnet   |
|-----------|----------|
| R13.1     | MSV_1200 |
| R13.2     | MSV_1201 |
| R13.3     | MSV_1202 |
| R13.4     | MSV_1203 |
| R14.1     | MSV_1204 |
| R14.2     | MSV_1205 |
| R14.3     | MSV_1206 |
| R14.4     | MSV_1207 |
| R15.1     | MSV_1208 |
| R15.2     | MSV_1209 |
| R15.3     | MSV_1210 |
| R15.4     | MSV_1211 |
| R16.1     | MSV_1212 |
| R16.2     | MSV_1213 |
| R16.3     | MSV_1214 |
| R16.4     | MSV_1215 |
| R17.1     | MSV_1216 |
| R17.2     | MSV_1217 |
| R17.3     | MSV_1218 |
| R17.4     | MSV_1219 |
| R18.1     | MSV_1220 |
| R18.2     | MSV_1221 |
| R18.3     | MSV_1222 |
| R18.4     | MSV_1223 |
| R19.1     | MSV_1224 |
| R19.2     | MSV_1225 |

|       |          |
|-------|----------|
| R19.3 | MSV_1226 |
| R19.4 | MSV_1227 |
| R20.1 | MSV_1228 |
| R20.2 | MSV_1229 |
| R20.3 | MSV_1230 |
| R20.4 | MSV_1231 |
| R21.1 | MSV_1232 |
| R21.2 | MSV_1233 |
| R21.3 | MSV_1234 |
| R21.4 | MSV_1235 |
| R22.1 | MSV_1236 |
| R22.2 | MSV_1237 |
| R22.3 | MSV_1238 |
| R22.4 | MSV_1239 |
| R23.1 | MSV_1240 |
| R23.2 | MSV_1241 |
| R23.3 | MSV_1242 |
| R23.4 | MSV_1243 |
| R24.1 | MSV_1244 |
| R24.2 | MSV_1245 |
| R24.3 | MSV_1246 |
| R24.4 | MSV_1247 |

| Dialog ID | BACnet   |
|-----------|----------|
| R25.1     | MSV_1248 |
| R25.2     | MSV_1249 |
| R25.3     | MSV_1250 |
| R25.4     | MSV_1251 |
| R26.1     | MSV_1252 |
| R26.2     | MSV_1253 |
| R26.3     | MSV_1254 |
| R26.4     | MSV_1255 |
| R27.1     | MSV_1256 |

|       |          |
|-------|----------|
| R27.2 | MSV_1257 |
| R27.3 | MSV_1258 |
| R27.4 | MSV_1259 |
| R28.1 | MSV_1260 |
| R28.2 | MSV_1261 |
| R28.3 | MSV_1262 |
| R28.4 | MSV_1263 |
| R29.1 | MSV_1264 |
| R29.2 | MSV_1265 |
| R29.3 | MSV_1266 |
| R29.4 | MSV_1267 |
| R30.1 | MSV_1268 |
| R30.2 | MSV_1269 |
| R30.3 | MSV_1270 |
| R30.4 | MSV_1271 |
| R31.1 | MSV_1272 |
| R31.2 | MSV_1273 |
| R31.3 | MSV_1274 |
| R31.4 | MSV_1275 |
| R32.1 | MSV_1276 |
| R32.2 | MSV_1277 |
| R32.3 | MSV_1278 |
| R32.4 | MSV_1279 |
| R33.1 | MSV_1280 |
| R33.2 | MSV_1281 |
| R33.3 | MSV_1282 |
| R33.4 | MSV_1283 |
| R34.1 | MSV_1284 |
| R34.2 | MSV_1285 |
| R34.3 | MSV_1286 |
| R34.4 | MSV_1287 |
| R35.1 | MSV_1288 |
| R35.2 | MSV_1289 |

|       |          |
|-------|----------|
| R35.3 | MSV_1290 |
| R35.4 | MSV_1291 |
| R36.1 | MSV_1292 |
| R36.2 | MSV_1293 |
| R36.3 | MSV_1294 |
| R36.4 | MSV_1295 |

| Dialog ID | BACnet   |
|-----------|----------|
| R37.1     | MSV_1296 |
| R37.2     | MSV_1297 |
| R37.3     | MSV_1298 |
| R37.4     | MSV_1299 |
| R38.1     | MSV_1300 |
| R38.2     | MSV_1301 |
| R38.3     | MSV_1302 |
| R38.4     | MSV_1303 |
| R39.1     | MSV_1304 |
| R39.2     | MSV_1305 |
| R39.3     | MSV_1306 |
| R39.4     | MSV_1307 |
| R40.1     | MSV_1308 |
| R40.2     | MSV_1309 |
| R40.3     | MSV_1310 |
| R40.4     | MSV_1311 |
| R41.1     | MSV_1312 |
| R41.2     | MSV_1313 |
| R41.3     | MSV_1314 |
| R41.4     | MSV_1315 |
| R42.1     | MSV_1316 |
| R42.2     | MSV_1317 |
| R42.3     | MSV_1318 |
| R42.4     | MSV_1319 |
| R43.1     | MSV_1320 |

|       |          |
|-------|----------|
| R43.2 | MSV_1321 |
| R43.3 | MSV_1322 |
| R43.4 | MSV_1323 |
| R44.1 | MSV_1324 |
| R44.2 | MSV_1325 |
| R44.3 | MSV_1326 |
| R44.4 | MSV_1327 |
| R45.1 | MSV_1328 |
| R45.2 | MSV_1329 |
| R45.3 | MSV_1330 |
| R45.4 | MSV_1331 |
| R46.1 | MSV_1332 |
| R46.2 | MSV_1333 |
| R46.3 | MSV_1334 |
| R46.4 | MSV_1335 |
| R47.1 | MSV_1336 |
| R47.2 | MSV_1337 |
| R47.3 | MSV_1338 |
| R47.4 | MSV_1339 |
| R48.1 | MSV_1340 |
| R48.2 | MSV_1341 |
| R48.3 | MSV_1342 |
| R48.4 | MSV_1343 |

| Dialog ID | BACnet   |
|-----------|----------|
| R49.1     | MSV_1344 |
| R49.2     | MSV_1345 |
| R49.3     | MSV_1346 |
| R49.4     | MSV_1347 |
| R50.1     | MSV_1348 |
| R50.2     | MSV_1349 |
| R50.3     | MSV_1350 |
| R50.4     | MSV_1351 |

|       |          |
|-------|----------|
| R51.1 | MSV_1352 |
| R51.2 | MSV_1353 |
| R51.3 | MSV_1354 |
| R51.4 | MSV_1355 |
| R52.1 | MSV_1356 |
| R52.2 | MSV_1357 |
| R52.3 | MSV_1358 |
| R52.4 | MSV_1359 |
| R53.1 | MSV_1360 |
| R53.2 | MSV_1361 |
| R53.3 | MSV_1362 |
| R53.4 | MSV_1363 |
| R54.1 | MSV_1364 |
| R54.2 | MSV_1365 |
| R54.3 | MSV_1366 |
| R54.4 | MSV_1367 |
| R55.1 | MSV_1368 |
| R55.2 | MSV_1369 |
| R55.3 | MSV_1370 |
| R55.4 | MSV_1371 |
| R56.1 | MSV_1372 |
| R56.2 | MSV_1373 |
| R56.3 | MSV_1374 |
| R56.4 | MSV_1375 |
| R57.1 | MSV_1376 |
| R57.2 | MSV_1377 |
| R57.3 | MSV_1378 |
| R57.4 | MSV_1379 |
| R58.1 | MSV_1380 |
| R58.2 | MSV_1381 |
| R58.3 | MSV_1382 |
| R58.4 | MSV_1383 |
| R59.1 | MSV_1384 |

|       |          |
|-------|----------|
| R59.2 | MSV_1385 |
| R59.3 | MSV_1386 |
| R59.4 | MSV_1387 |
| R60.1 | MSV_1388 |
| R60.2 | MSV_1389 |
| R60.3 | MSV_1390 |
| R60.4 | MSV_1391 |

| Dialog ID | BACnet   |
|-----------|----------|
| R61.1     | MSV_1392 |
| R61.2     | MSV_1393 |
| R61.3     | MSV_1394 |
| R61.4     | MSV_1395 |
| R62.1     | MSV_1396 |
| R62.2     | MSV_1397 |
| R62.3     | MSV_1398 |
| R62.4     | MSV_1399 |
| R63.1     | MSV_1400 |
| R63.2     | MSV_1401 |
| R63.3     | MSV_1402 |
| R63.4     | MSV_1403 |
| R64.1     | MSV_1404 |
| R64.2     | MSV_1405 |
| R64.3     | MSV_1406 |
| R64.4     | MSV_1407 |

## Individual Dimmer Status

Analog Input – READ ONLY  
Values 0-100

| Dialog ID | BACnet |
|-----------|--------|
| D1.1      | AI_0   |
| D1.2      | AI_1   |
| D1.3      | AI_2   |

|      |       |
|------|-------|
| D1.4 | AI_3  |
| D2.1 | AI_4  |
| D2.2 | AI_5  |
| D2.3 | AI_6  |
| D2.4 | AI_7  |
| D3.1 | AI_8  |
| D3.2 | AI_9  |
| D3.3 | AI_10 |
| D3.4 | AI_11 |
| D4.1 | AI_12 |
| D4.2 | AI_13 |
| D4.3 | AI_14 |
| D4.4 | AI_15 |
| D5.1 | AI_16 |
| D5.2 | AI_17 |
| D5.3 | AI_18 |
| D5.4 | AI_19 |
| D6.1 | AI_20 |
| D6.2 | AI_21 |
| D6.3 | AI_22 |
| D6.4 | AI_23 |
| D7.1 | AI_24 |
| D7.2 | AI_25 |
| D7.3 | AI_26 |
| D7.4 | AI_27 |
| D8.1 | AI_28 |
| D8.2 | AI_29 |
| D8.3 | AI_30 |
| D8.4 | AI_31 |
| D9.1 | AI_32 |
| D9.2 | AI_33 |
| D9.3 | AI_34 |
| D9.4 | AI_35 |

|       |       |
|-------|-------|
| D10.1 | AI_36 |
| D10.2 | AI_37 |
| D10.3 | AI_38 |
| D10.4 | AI_39 |
| D11.1 | AI_40 |
| D11.2 | AI_41 |
| D11.3 | AI_42 |
| D11.4 | AI_43 |
| D12.1 | AI_44 |
| D12.2 | AI_45 |
| D12.3 | AI_46 |
| D12.4 | AI_47 |

| Dialog ID | BACnet |
|-----------|--------|
| D13.1     | AI_48  |
| D13.2     | AI_49  |
| D13.3     | AI_50  |
| D13.4     | AI_51  |
| D14.1     | AI_52  |
| D14.2     | AI_53  |
| D14.3     | AI_54  |
| D14.4     | AI_55  |
| D15.1     | AI_56  |
| D15.2     | AI_57  |
| D15.3     | AI_58  |
| D15.4     | AI_59  |
| D16.1     | AI_60  |
| D16.2     | AI_61  |
| D16.3     | AI_62  |
| D16.4     | AI_63  |
| D17.1     | AI_64  |
| D17.2     | AI_65  |
| D17.3     | AI_66  |

|       |       |
|-------|-------|
| D17.4 | AI_67 |
| D18.1 | AI_68 |
| D18.2 | AI_69 |
| D18.3 | AI_70 |
| D18.4 | AI_71 |
| D19.1 | AI_72 |
| D19.2 | AI_73 |
| D19.3 | AI_74 |
| D19.4 | AI_75 |
| D20.1 | AI_76 |
| D20.2 | AI_77 |
| D20.3 | AI_78 |
| D20.4 | AI_79 |
| D21.1 | AI_80 |
| D21.2 | AI_81 |
| D21.3 | AI_82 |
| D21.4 | AI_83 |
| D22.1 | AI_84 |
| D22.2 | AI_85 |
| D22.3 | AI_86 |
| D22.4 | AI_87 |
| D23.1 | AI_88 |
| D23.2 | AI_89 |
| D23.3 | AI_90 |
| D23.4 | AI_91 |
| D24.1 | AI_92 |
| D24.2 | AI_93 |
| D24.3 | AI_94 |
| D24.4 | AI_95 |

| Dialog ID | BACnet |
|-----------|--------|
| D25.1     | AI_96  |
| D25.2     | AI_97  |

|       |        |
|-------|--------|
| D25.3 | AI_98  |
| D25.4 | AI_99  |
| D26.1 | AI_100 |
| D26.2 | AI_101 |
| D26.3 | AI_102 |
| D26.4 | AI_103 |
| D27.1 | AI_104 |
| D27.2 | AI_105 |
| D27.3 | AI_106 |
| D27.4 | AI_107 |
| D28.1 | AI_108 |
| D28.2 | AI_109 |
| D28.3 | AI_110 |
| D28.4 | AI_111 |
| D29.1 | AI_112 |
| D29.2 | AI_113 |
| D29.3 | AI_114 |
| D29.4 | AI_115 |
| D30.1 | AI_116 |
| D30.2 | AI_117 |
| D30.3 | AI_118 |
| D30.4 | AI_119 |
| D31.1 | AI_120 |
| D31.2 | AI_121 |
| D31.3 | AI_122 |
| D31.4 | AI_123 |
| D32.1 | AI_124 |
| D32.2 | AI_125 |
| D32.3 | AI_126 |
| D32.4 | AI_127 |
| D33.1 | AI_128 |
| D33.2 | AI_129 |
| D33.3 | AI_130 |

|       |        |
|-------|--------|
| D33.4 | AI_131 |
| D34.1 | AI_132 |
| D34.2 | AI_133 |
| D34.3 | AI_134 |
| D34.4 | AI_135 |
| D35.1 | AI_136 |
| D35.2 | AI_137 |
| D35.3 | AI_138 |
| D35.4 | AI_139 |
| D36.1 | AI_140 |
| D36.2 | AI_141 |
| D36.3 | AI_142 |
| D36.4 | AI_143 |

| Dialog ID | BACnet |
|-----------|--------|
| D37.1     | AI_144 |
| D37.2     | AI_145 |
| D37.3     | AI_146 |
| D37.4     | AI_147 |
| D38.1     | AI_148 |
| D38.2     | AI_149 |
| D38.3     | AI_150 |
| D38.4     | AI_151 |
| D39.1     | AI_152 |
| D39.2     | AI_153 |
| D39.3     | AI_154 |
| D39.4     | AI_155 |
| D40.1     | AI_156 |
| D40.2     | AI_157 |
| D40.3     | AI_158 |
| D40.4     | AI_159 |
| D41.1     | AI_160 |
| D41.2     | AI_161 |

|       |        |
|-------|--------|
| D41.3 | AI_162 |
| D41.4 | AI_163 |
| D42.1 | AI_164 |
| D42.2 | AI_165 |
| D42.3 | AI_166 |
| D42.4 | AI_167 |
| D43.1 | AI_168 |
| D43.2 | AI_169 |
| D43.3 | AI_170 |
| D43.4 | AI_171 |
| D44.1 | AI_172 |
| D44.2 | AI_173 |
| D44.3 | AI_174 |
| D44.4 | AI_175 |
| D45.1 | AI_176 |
| D45.2 | AI_177 |
| D45.3 | AI_178 |
| D45.4 | AI_179 |
| D46.1 | AI_180 |
| D46.2 | AI_181 |
| D46.3 | AI_182 |
| D46.4 | AI_183 |
| D47.1 | AI_184 |
| D47.2 | AI_185 |
| D47.3 | AI_186 |
| D47.4 | AI_187 |
| D48.1 | AI_188 |
| D48.2 | AI_189 |
| D48.3 | AI_190 |
| D48.4 | AI_191 |

| Dialog ID | BACnet |
|-----------|--------|
| D49.1     | AI_192 |

|       |        |
|-------|--------|
| D49.2 | AI_193 |
| D49.3 | AI_194 |
| D49.4 | AI_195 |
| D50.1 | AI_196 |
| D50.2 | AI_197 |
| D50.3 | AI_198 |
| D50.4 | AI_199 |
| D51.1 | AI_200 |
| D51.2 | AI_201 |
| D51.3 | AI_202 |
| D51.4 | AI_203 |
| D52.1 | AI_204 |
| D52.2 | AI_205 |
| D52.3 | AI_206 |
| D52.4 | AI_207 |
| D53.1 | AI_208 |
| D53.2 | AI_209 |
| D53.3 | AI_210 |
| D53.4 | AI_211 |
| D54.1 | AI_212 |
| D54.2 | AI_213 |
| D54.3 | AI_214 |
| D54.4 | AI_215 |
| D55.1 | AI_216 |
| D55.2 | AI_217 |
| D55.3 | AI_218 |
| D55.4 | AI_219 |
| D56.1 | AI_220 |
| D56.2 | AI_221 |
| D56.3 | AI_222 |
| D56.4 | AI_223 |
| D57.1 | AI_224 |
| D57.2 | AI_225 |

|       |        |
|-------|--------|
| D57.3 | AI_226 |
| D57.4 | AI_227 |
| D58.1 | AI_228 |
| D58.2 | AI_229 |
| D58.3 | AI_230 |
| D58.4 | AI_231 |
| D59.1 | AI_232 |
| D59.2 | AI_233 |
| D59.3 | AI_234 |
| D59.4 | AI_235 |
| D60.1 | AI_236 |
| D60.2 | AI_237 |
| D60.3 | AI_238 |
| D60.4 | AI_239 |

| Dialog ID |        | BACnet |
|-----------|--------|--------|
| D61.1     |        | AI_240 |
| D61.2     |        | AI_241 |
| D61.3     |        | AI_242 |
| D61.4     | AI_243 |        |
| D62.1     |        | AI_244 |
| D62.2     |        | AI_245 |
| D62.3     |        | AI_246 |
| D62.4     |        | AI_247 |
| D63.1     |        | AI_248 |
| D63.2     |        | AI_249 |
| D63.3     |        | AI_250 |
| D63.4     |        | AI_251 |
| D64.1     |        | AI_252 |
| D64.2     |        | AI_253 |
| D64.3     |        | AI_254 |
| D64.4     |        | AI_255 |

## Individual Dimmer Control

Analog Value – READ/WRITE  
Values 0-100%

| Dialog ID | BACnet |
|-----------|--------|
| D1.1      | AV_0   |
| D1.2      | AV_1   |
| D1.3      | AV_2   |
| D1.4      | AV_3   |
| D2.1      | AV_4   |
| D2.2      | AV_5   |
| D2.3      | AV_6   |
| D2.4      | AV_7   |
| D3.1      | AV_8   |
| D3.2      | AV_9   |
| D3.3      | AV_10  |
| D3.4      | AV_11  |
| D4.1      | AV_12  |
| D4.2      | AV_13  |
| D4.3      | AV_14  |
| D4.4      | AV_15  |
| D5.1      | AV_16  |
| D5.2      | AV_17  |
| D5.3      | AV_18  |
| D5.4      | AV_19  |
| D6.1      | AV_20  |
| D6.2      | AV_21  |
| D6.3      | AV_22  |
| D6.4      | AV_23  |
| D7.1      | AV_24  |
| D7.2      | AV_25  |
| D7.3      | AV_26  |
| D7.4      | AV_27  |
| D8.1      | AV_28  |

|       |       |
|-------|-------|
| D8.2  | AV_29 |
| D8.3  | AV_30 |
| D8.4  | AV_31 |
| D9.1  | AV_32 |
| D9.2  | AV_33 |
| D9.3  | AV_34 |
| D9.4  | AV_35 |
| D10.1 | AV_36 |
| D10.2 | AV_37 |
| D10.3 | AV_38 |
| D10.4 | AV_39 |
| D11.1 | AV_40 |
| D11.2 | AV_41 |
| D11.3 | AV_42 |
| D11.4 | AV_43 |
| D12.1 | AV_44 |
| D12.2 | AV_45 |
| D12.3 | AV_46 |
| D12.4 | AV_47 |

| Dialog ID | BACnet |
|-----------|--------|
| D13.1     | AV_48  |
| D13.2     | AV_49  |
| D13.3     | AV_50  |
| D13.4     | AV_51  |
| D14.1     | AV_52  |
| D14.2     | AV_53  |
| D14.3     | AV_54  |
| D14.4     | AV_55  |
| D15.1     | AV_56  |
| D15.2     | AV_57  |
| D15.3     | AV_58  |
| D15.4     | AV_59  |

|       |       |
|-------|-------|
| D16.1 | AV_60 |
| D16.2 | AV_61 |
| D16.3 | AV_62 |
| D16.4 | AV_63 |
| D17.1 | AV_64 |
| D17.2 | AV_65 |
| D17.3 | AV_66 |
| D17.4 | AV_67 |
| D18.1 | AV_68 |
| D18.2 | AV_69 |
| D18.3 | AV_70 |
| D18.4 | AV_71 |
| D19.1 | AV_72 |
| D19.2 | AV_73 |
| D19.3 | AV_74 |
| D19.4 | AV_75 |
| D20.1 | AV_76 |
| D20.2 | AV_77 |
| D20.3 | AV_78 |
| D20.4 | AV_79 |
| D21.1 | AV_80 |
| D21.2 | AV_81 |
| D21.3 | AV_82 |
| D21.4 | AV_83 |
| D22.1 | AV_84 |
| D22.2 | AV_85 |
| D22.3 | AV_86 |
| D22.4 | AV_87 |
| D23.1 | AV_88 |
| D23.2 | AV_89 |
| D23.3 | AV_90 |
| D23.4 | AV_91 |
| D24.1 | AV_92 |

|       |       |
|-------|-------|
| D24.2 | AV_93 |
| D24.3 | AV_94 |
| D24.4 | AV_95 |

| Dialog ID | BACnet |
|-----------|--------|
| D25.1     | AV_96  |
| D25.2     | AV_97  |
| D25.3     | AV_98  |
| D25.4     | AV_99  |
| D26.1     | AV_100 |
| D26.2     | AV_101 |
| D26.3     | AV_102 |
| D26.4     | AV_103 |
| D27.1     | AV_104 |
| D27.2     | AV_105 |
| D27.3     | AV_106 |
| D27.4     | AV_107 |
| D28.1     | AV_108 |
| D28.2     | AV_109 |
| D28.3     | AV_110 |
| D28.4     | AV_111 |
| D29.1     | AV_112 |
| D29.2     | AV_113 |
| D29.3     | AV_114 |
| D29.4     | AV_115 |
| D30.1     | AV_116 |
| D30.2     | AV_117 |
| D30.3     | AV_118 |
| D30.4     | AV_119 |
| D31.1     | AV_120 |
| D31.2     | AV_121 |
| D31.3     | AV_122 |
| D31.4     | AV_123 |

|       |        |
|-------|--------|
| D32.1 | AV_124 |
| D32.2 | AV_125 |
| D32.3 | AV_126 |
| D32.4 | AV_127 |
| D33.1 | AV_128 |
| D33.2 | AV_129 |
| D33.3 | AV_130 |
| D33.4 | AV_131 |
| D34.1 | AV_132 |
| D34.2 | AV_133 |
| D34.3 | AV_134 |
| D34.4 | AV_135 |
| D35.1 | AV_136 |
| D35.2 | AV_137 |
| D35.3 | AV_138 |
| D35.4 | AV_139 |
| D36.1 | AV_140 |
| D36.2 | AV_141 |
| D36.3 | AV_142 |
| D36.4 | AV_143 |

| Dialog ID | BACnet |
|-----------|--------|
| D37.1     | AV_144 |
| D37.2     | AV_145 |
| D37.3     | AV_146 |
| D37.4     | AV_147 |
| D38.1     | AV_148 |
| D38.2     | AV_149 |
| D38.3     | AV_150 |
| D38.4     | AV_151 |
| D39.1     | AV_152 |
| D39.2     | AV_153 |
| D39.3     | AV_154 |

|       |        |
|-------|--------|
| D39.4 | AV_155 |
| D40.1 | AV_156 |
| D40.2 | AV_157 |
| D40.3 | AV_158 |
| D40.4 | AV_159 |
| D41.1 | AV_160 |
| D41.2 | AV_161 |
| D41.3 | AV_162 |
| D41.4 | AV_163 |
| D42.1 | AV_164 |
| D42.2 | AV_165 |
| D42.3 | AV_166 |
| D42.4 | AV_167 |
| D43.1 | AV_168 |
| D43.2 | AV_169 |
| D43.3 | AV_170 |
| D43.4 | AV_171 |
| D44.1 | AV_172 |
| D44.2 | AV_173 |
| D44.3 | AV_174 |
| D44.4 | AV_175 |
| D45.1 | AV_176 |
| D45.2 | AV_177 |
| D45.3 | AV_178 |
| D45.4 | AV_179 |
| D46.1 | AV_180 |
| D46.2 | AV_181 |
| D46.3 | AV_182 |
| D46.4 | AV_183 |
| D47.1 | AV_184 |
| D47.2 | AV_185 |
| D47.3 | AV_186 |
| D47.4 | AV_187 |

|       |        |
|-------|--------|
| D48.1 | AV_188 |
| D48.2 | AV_189 |
| D48.3 | AV_190 |
| D48.4 | AV_191 |

| Dialog ID | BACnet |
|-----------|--------|
| D49.1     | AV_192 |
| D49.2     | AV_193 |
| D49.3     | AV_194 |
| D49.4     | AV_195 |
| D50.1     | AV_196 |
| D50.2     | AV_197 |
| D50.3     | AV_198 |
| D50.4     | AV_199 |
| D51.1     | AV_200 |
| D51.2     | AV_201 |
| D51.3     | AV_202 |
| D51.4     | AV_203 |
| D52.1     | AV_204 |
| D52.2     | AV_205 |
| D52.3     | AV_206 |
| D52.4     | AV_207 |
| D53.1     | AV_208 |
| D53.2     | AV_209 |
| D53.3     | AV_210 |
| D53.4     | AV_211 |
| D54.1     | AV_212 |
| D54.2     | AV_213 |
| D54.3     | AV_214 |
| D54.4     | AV_215 |
| D55.1     | AV_216 |
| D55.2     | AV_217 |
| D55.3     | AV_218 |

|       |        |
|-------|--------|
| D55.4 | AV_219 |
| D56.1 | AV_220 |
| D56.2 | AV_221 |
| D56.3 | AV_222 |
| D56.4 | AV_223 |
| D57.1 | AV_224 |
| D57.2 | AV_225 |
| D57.3 | AV_226 |
| D57.4 | AV_227 |
| D58.1 | AV_228 |
| D58.2 | AV_229 |
| D58.3 | AV_230 |
| D58.4 | AV_231 |
| D59.1 | AV_232 |
| D59.2 | AV_233 |
| D59.3 | AV_234 |
| D59.4 | AV_235 |
| D60.1 | AV_236 |
| D60.2 | AV_237 |
| D60.3 | AV_238 |
| D60.4 | AV_239 |

| Dialog ID | BACnet |
|-----------|--------|
| D61.1     | AV_240 |
| D61.2     | AV_241 |
| D61.3     | AV_242 |
| D61.4     | AV_243 |
| D62.1     | AV_244 |
| D62.2     | AV_245 |
| D62.3     | AV_246 |
| D62.4     | AV_247 |
| D63.1     | AV_248 |
| D63.2     | AV_249 |
| D63.3     | AV_250 |
| D63.4     | AV_251 |
| D64.1     | AV_252 |
| D64.2     | AV_253 |
| D64.3     | AV_254 |
| D64.4     | AV_255 |

## Group Status

**Multi-State Input – READ ONLY**

**Values 1=OFF, 2=ON, 3=NA**

| Dialog ID | BACnet |
|-----------|--------|
| G001      | MSI_0  |
| G002      | MSI_1  |
| G003      | MSI_2  |
| G004      | MSI_3  |
| G005      | MSI_4  |
| G006      | MSI_5  |
| G007      | MSI_6  |
| G008      | MSI_7  |
| G009      | MSI_8  |
| G010      | MSI_9  |
| G011      | MSI_10 |
| G012      | MSI_11 |
| G013      | MSI_12 |
| G014      | MSI_13 |
| G015      | MSI_14 |
| G016      | MSI_15 |
| G017      | MSI_16 |
| G018      | MSI_17 |
| G019      | MSI_18 |
| G020      | MSI_19 |
| G021      | MSI_20 |
| G022      | MSI_21 |

| Dialog ID | BACnet |
|-----------|--------|
| G023      | MSI_22 |
| G024      | MSI_23 |
| G025      | MSI_24 |
| G026      | MSI_25 |
| G027      | MSI_26 |
| G028      | MSI_27 |
| G029      | MSI_28 |
| G030      | MSI_29 |
| G031      | MSI_30 |
| G032      | MSI_31 |
| G033      | MSI_32 |
| G034      | MSI_33 |
| G035      | MSI_34 |
| G036      | MSI_35 |
| G037      | MSI_36 |
| G038      | MSI_37 |
| G039      | MSI_38 |
| G040      | MSI_39 |
| G041      | MSI_40 |
| G042      | MSI_41 |
| G043      | MSI_42 |
| G044      | MSI_43 |

| Dialog ID | BACnet |
|-----------|--------|
| G045      | MSI_44 |
| G046      | MSI_45 |
| G047      | MSI_46 |
| G048      | MSI_47 |
| G049      | MSI_48 |
| G050      | MSI_49 |
| G051      | MSI_50 |
| G052      | MSI_51 |
| G053      | MSI_52 |
| G054      | MSI_53 |
| G055      | MSI_54 |
| G056      | MSI_55 |
| G057      | MSI_56 |
| G058      | MSI_57 |
| G059      | MSI_58 |
| G060      | MSI_59 |
| G061      | MSI_60 |
| G062      | MSI_61 |
| G063      | MSI_62 |
| G064      | MSI_63 |
| G065      | MSI_64 |
| G066      | MSI_65 |

| Dialog ID |        | BACnet |  |
|-----------|--------|--------|--|
| G067      |        | MSI_66 |  |
| G068      | MSI_67 |        |  |
| G069      |        | MSI_68 |  |
| G070      |        | MSI_69 |  |
| G071      |        | MSI_70 |  |
| G072      |        | MSI_71 |  |
| G073      |        | MSI_72 |  |
| G074      |        | MSI_73 |  |
| G075      |        | MSI_74 |  |
| G076      |        | MSI_75 |  |
| G077      |        | MSI_76 |  |
| G078      |        | MSI_77 |  |
| G079      |        | MSI_78 |  |
| G080      |        | MSI_79 |  |
| G081      |        | MSI_80 |  |
| G082      |        | MSI_81 |  |
| G083      |        | MSI_82 |  |
| G084      |        | MSI_83 |  |
| G085      |        | MSI_84 |  |
| G086      |        | MSI_85 |  |
| G087      |        | MSI_86 |  |
| G088      |        | MSI_87 |  |

| Dialog ID | BACnet  |
|-----------|---------|
| G089      | MSI_88  |
| G090      | MSI_89  |
| G091      | MSI_90  |
| G092      | MSI_91  |
| G093      | MSI_92  |
| G094      | MSI_93  |
| G095      | MSI_94  |
| G096      | MSI_95  |
| G097      | MSI_96  |
| G098      | MSI_97  |
| G099      | MSI_98  |
| G100      | MSI_99  |
| G101      | MSI_100 |
| G102      | MSI_101 |
| G103      | MSI_102 |
| G104      | MSI_103 |
| G105      | MSI_104 |
| G106      | MSI_105 |
| G107      | MSI_106 |
| G108      | MSI_107 |
| G109      | MSI_108 |
| G110      | MSI_109 |

| Dialog ID | BACnet  |
|-----------|---------|
| G111      | MSI_110 |
| G112      | MSI_111 |
| G113      | MSI_112 |
| G114      | MSI_113 |
| G115      | MSI_114 |
| G116      | MSI_115 |
| G117      | MSI_116 |
| G118      | MSI_117 |
| G119      | MSI_118 |
| G120      | MSI_119 |
| G121      | MSI_120 |
| G122      | MSI_121 |
| G123      | MSI_122 |
| G124      | MSI_123 |
| G125      | MSI_124 |
| G126      | MSI_125 |
| G127      | MSI_126 |
| G128      | MSI_127 |

## Group Control

**Multi-State Value – READ/WRITE**  
**Values 1=OFF, 2=ON, 3=NA**

| Dialog ID | BACnet |
|-----------|--------|
| G001      | MSV_0  |
| G002      | MSV_1  |
| G003      | MSV_2  |
| G004      | MSV_3  |
| G005      | MSV_4  |
| G006      | MSV_5  |
| G007      | MSV_6  |
| G008      | MSV_7  |
| G009      | MSV_8  |
| G010      | MSV_9  |
| G011      | MSV_10 |
| G012      | MSV_11 |
| G013      | MSV_12 |
| G014      | MSV_13 |
| G015      | MSV_14 |
| G016      | MSV_15 |
| G017      | MSV_16 |
| G018      | MSV_17 |
| G019      | MSV_18 |
| G020      | MSV_19 |
| G021      | MSV_20 |
| G022      | MSV_21 |

| Dialog ID | BACnet |
|-----------|--------|
| G023      | MSV_22 |
| G024      | MSV_23 |
| G025      | MSV_24 |
| G026      | MSV_25 |
| G027      | MSV_26 |
| G028      | MSV_27 |
| G029      | MSV_28 |
| G030      | MSV_29 |
| G031      | MSV_30 |
| G032      | MSV_31 |
| G033      | MSV_32 |
| G034      | MSV_33 |
| G035      | MSV_34 |
| G036      | MSV_35 |
| G037      | MSV_36 |
| G038      | MSV_37 |
| G039      | MSV_38 |
| G040      | MSV_39 |
| G041      | MSV_40 |
| G042      | MSV_41 |
| G043      | MSV_42 |
| G044      | MSV_43 |

| Dialog ID | BACnet |
|-----------|--------|
| G045      | MSV_44 |
| G046      | MSV_45 |
| G047      | MSV_46 |
| G048      | MSV_47 |
| G049      | MSV_48 |
| G050      | MSV_49 |
| G051      | MSV_50 |
| G052      | MSV_51 |
| G053      | MSV_52 |
| G054      | MSV_53 |
| G055      | MSV_54 |
| G056      | MSV_55 |
| G057      | MSV_56 |
| G058      | MSV_57 |
| G059      | MSV_58 |
| G060      | MSV_59 |
| G061      | MSV_60 |
| G062      | MSV_61 |
| G063      | MSV_62 |
| G064      | MSV_63 |
| G065      | MSV_64 |
| G066      | MSV_65 |

| Dialog ID | BACnet |
|-----------|--------|
| G067      | MSV_66 |
| G068      | MSV_67 |
| G069      | MSV_68 |
| G070      | MSV_69 |
| G071      | MSV_70 |
| G072      | MSV_71 |
| G073      | MSV_72 |
| G074      | MSV_73 |
| G075      | MSV_74 |
| G076      | MSV_75 |
| G077      | MSV_76 |
| G078      | MSV_77 |
| G079      | MSV_78 |
| G080      | MSV_79 |
| G081      | MSV_80 |
| G082      | MSV_81 |
| G083      | MSV_82 |
| G084      | MSV_83 |
| G085      | MSV_84 |
| G086      | MSV_85 |
| G087      | MSV_86 |
| G088      | MSV_87 |

| Dialog ID | BACnet  |
|-----------|---------|
| G089      | MSV_88  |
| G090      | MSV_89  |
| G091      | MSV_90  |
| G092      | MSV_91  |
| G093      | MSV_92  |
| G094      | MSV_93  |
| G095      | MSV_94  |
| G096      | MSV_95  |
| G097      | MSV_96  |
| G098      | MSV_97  |
| G099      | MSV_98  |
| G100      | MSV_99  |
| G101      | MSV_100 |
| G102      | MSV_101 |
| G103      | MSV_102 |
| G104      | MSV_103 |
| G105      | MSV_104 |
| G106      | MSV_105 |
| G107      | MSV_106 |
| G108      | MSV_107 |
| G109      | MSV_108 |
| G110      | MSV_109 |

| Dialog ID | BACnet  |
|-----------|---------|
| G111      | MSV_110 |
| G112      | MSV_111 |
| G113      | MSV_112 |
| G114      | MSV_113 |
| G115      | MSV_114 |
| G116      | MSV_115 |
| G117      | MSV_116 |
| G118      | MSV_117 |
| G119      | MSV_118 |
| G120      | MSV_119 |
| G121      | MSV_120 |
| G122      | MSV_121 |
| G123      | MSV_122 |
| G124      | MSV_123 |
| G125      | MSV_124 |
| G126      | MSV_125 |
| G127      | MSV_126 |
| G128      | MSV_127 |

## Preset Local Status

**Multi-State Input – READ ONLY**  
**Values 1=OFF, 2=ON, 3=NA**

| Dialog ID | BACnet  |
|-----------|---------|
| LP001     | MSI_128 |
| LP002     | MSI_129 |
| LP003     | MSI_130 |
| LP004     | MSI_131 |
| LP005     | MSI_132 |
| LP006     | MSI_133 |
| LP007     | MSI_134 |
| LP008     | MSI_135 |

|       |         |
|-------|---------|
| LP009 | MSI_136 |
| LP010 | MSI_137 |
| LP011 | MSI_138 |
| LP012 | MSI_139 |
| LP013 | MSI_140 |
| LP014 | MSI_141 |
| LP015 | MSI_142 |
| LP016 | MSI_143 |
| LP017 | MSI_144 |
| LP018 | MSI_145 |
| LP019 | MSI_146 |
| LP020 | MSI_147 |
| LP021 | MSI_148 |
| LP022 | MSI_149 |
| LP023 | MSI_150 |
| LP024 | MSI_151 |
| LP025 | MSI_152 |
| LP026 | MSI_153 |
| LP027 | MSI_154 |
| LP028 | MSI_155 |
| LP029 | MSI_156 |
| LP030 | MSI_157 |
| LP031 | MSI_158 |
| LP032 | MSI_159 |
| LP033 | MSI_160 |
| LP034 | MSI_161 |
| LP035 | MSI_162 |
| LP036 | MSI_163 |
| LP037 | MSI_164 |
| LP038 | MSI_165 |
| LP039 | MSI_166 |
| LP040 | MSI_167 |
| LP041 | MSI_168 |

|       |         |
|-------|---------|
| LP042 | MSI_169 |
| LP043 | MSI_170 |
| LP044 | MSI_171 |
| LP045 | MSI_172 |
| LP046 | MSI_173 |
| LP047 | MSI_174 |
| LP048 | MSI_175 |
| LP049 | MSI_176 |
| LP050 | MSI_177 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| LP051            | MSI_178       |
| LP052            | MSI_179       |
| LP053            | MSI_180       |
| LP054            | MSI_181       |
| LP055            | MSI_182       |
| LP056            | MSI_183       |
| LP057            | MSI_184       |
| LP058            | MSI_185       |
| LP059            | MSI_186       |
| LP060            | MSI_187       |
| LP061            | MSI_188       |
| LP062            | MSI_189       |
| LP063            | MSI_190       |
| LP064            | MSI_191       |
| LP065            | MSI_192       |
| LP066            | MSI_193       |
| LP067            | MSI_194       |
| LP068            | MSI_195       |
| LP069            | MSI_196       |
| LP070            | MSI_197       |
| LP071            | MSI_198       |
| LP072            | MSI_199       |

|       |         |
|-------|---------|
| LP073 | MSI_200 |
| LP074 | MSI_201 |
| LP075 | MSI_202 |
| LP076 | MSI_203 |
| LP077 | MSI_204 |
| LP078 | MSI_205 |
| LP079 | MSI_206 |
| LP080 | MSI_207 |
| LP081 | MSI_208 |
| LP082 | MSI_209 |
| LP083 | MSI_210 |
| LP084 | MSI_211 |
| LP085 | MSI_212 |
| LP086 | MSI_213 |
| LP087 | MSI_214 |
| LP088 | MSI_215 |
| LP089 | MSI_216 |
| LP090 | MSI_217 |
| LP091 | MSI_218 |
| LP092 | MSI_219 |
| LP093 | MSI_220 |
| LP094 | MSI_221 |
| LP095 | MSI_222 |
| LP096 | MSI_223 |
| LP097 | MSI_224 |
| LP098 | MSI_225 |
| LP099 | MSI_226 |
| LP100 | MSI_227 |

| Dialog ID | BACnet  |
|-----------|---------|
| LP101     | MSI_228 |
| LP102     | MSI_229 |
| LP103     | MSI_230 |

|       |         |
|-------|---------|
| LP104 | MSI_231 |
| LP105 | MSI_232 |
| LP106 | MSI_233 |
| LP107 | MSI_234 |
| LP108 | MSI_235 |
| LP109 | MSI_236 |
| LP110 | MSI_237 |
| LP111 | MSI_238 |
| LP112 | MSI_239 |
| LP113 | MSI_240 |
| LP114 | MSI_241 |
| LP115 | MSI_242 |
| LP116 | MSI_243 |
| LP117 | MSI_244 |
| LP118 | MSI_245 |
| LP119 | MSI_246 |
| LP120 | MSI_247 |
| LP121 | MSI_248 |
| LP122 | MSI_249 |
| LP123 | MSI_250 |
| LP124 | MSI_251 |
| LP125 | MSI_252 |
| LP126 | MSI_253 |
| LP127 | MSI_254 |
| LP128 | MSI_255 |
| LP129 | MSI_256 |
| LP130 | MSI_257 |
| LP131 | MSI_258 |
| LP132 | MSI_259 |
| LP133 | MSI_260 |
| LP134 | MSI_261 |
| LP135 | MSI_262 |
| LP136 | MSI_263 |

|       |         |
|-------|---------|
| LP137 | MSI_264 |
| LP138 | MSI_265 |
| LP139 | MSI_266 |
| LP140 | MSI_267 |
| LP141 | MSI_268 |
| LP142 | MSI_269 |
| LP143 | MSI_270 |
| LP144 | MSI_271 |
| LP145 | MSI_272 |
| LP146 | MSI_273 |
| LP147 | MSI_274 |
| LP148 | MSI_275 |
| LP149 | MSI_276 |
| LP150 | MSI_277 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| LP151            | MSI_278       |
| LP152            | MSI_279       |
| LP153            | MSI_280       |
| LP154            | MSI_281       |
| LP155            | MSI_282       |
| LP156            | MSI_283       |
| LP157            | MSI_284       |
| LP158            | MSI_285       |
| LP159            | MSI_286       |
| LP160            | MSI_287       |
| LP161            | MSI_288       |
| LP162            | MSI_289       |
| LP163            | MSI_290       |
| LP164            | MSI_291       |
| LP165            | MSI_292       |
| LP166            | MSI_293       |
| LP167            | MSI_294       |

|       |         |
|-------|---------|
| LP168 | MSI_295 |
| LP169 | MSI_296 |
| LP170 | MSI_297 |
| LP171 | MSI_298 |
| LP172 | MSI_299 |
| LP173 | MSI_300 |
| LP174 | MSI_301 |
| LP175 | MSI_302 |
| LP176 | MSI_303 |
| LP177 | MSI_304 |
| LP178 | MSI_305 |
| LP179 | MSI_306 |
| LP180 | MSI_307 |
| LP181 | MSI_308 |
| LP182 | MSI_309 |
| LP183 | MSI_310 |
| LP184 | MSI_311 |
| LP185 | MSI_312 |
| LP186 | MSI_313 |
| LP187 | MSI_314 |
| LP188 | MSI_315 |
| LP189 | MSI_316 |
| LP190 | MSI_317 |
| LP191 | MSI_318 |
| LP192 | MSI_319 |
| LP193 | MSI_320 |
| LP194 | MSI_321 |
| LP195 | MSI_322 |
| LP196 | MSI_323 |
| LP197 | MSI_324 |
| LP198 | MSI_325 |
| LP199 | MSI_326 |

|       |         |
|-------|---------|
| LP200 | MSI_327 |
|-------|---------|

| Dialog ID | BACnet  |
|-----------|---------|
| LP201     | MSI_328 |
| LP202     | MSI_329 |
| LP203     | MSI_330 |
| LP204     | MSI_331 |
| LP205     | MSI_332 |
| LP206     | MSI_333 |
| LP207     | MSI_334 |
| LP208     | MSI_335 |
| LP209     | MSI_336 |
| LP210     | MSI_337 |
| LP211     | MSI_338 |
| LP212     | MSI_339 |
| LP213     | MSI_340 |
| LP214     | MSI_341 |
| LP215     | MSI_342 |
| LP216     | MSI_343 |
| LP217     | MSI_344 |
| LP218     | MSI_345 |
| LP219     | MSI_346 |
| LP220     | MSI_347 |
| LP221     | MSI_348 |
| LP222     | MSI_349 |
| LP223     | MSI_350 |
| LP224     | MSI_351 |
| LP225     | MSI_352 |
| LP226     | MSI_353 |
| LP227     | MSI_354 |
| LP228     | MSI_355 |
| LP229     | MSI_356 |
| LP230     | MSI_357 |

|       |         |
|-------|---------|
| LP231 | MSI_358 |
| LP232 | MSI_359 |
| LP233 | MSI_360 |
| LP234 | MSI_361 |
| LP235 | MSI_362 |
| LP236 | MSI_363 |
| LP237 | MSI_364 |
| LP238 | MSI_365 |
| LP239 | MSI_366 |
| LP240 | MSI_367 |
| LP241 | MSI_368 |
| LP242 | MSI_369 |
| LP243 | MSI_370 |
| LP244 | MSI_371 |
| LP245 | MSI_372 |
| LP246 | MSI_373 |
| LP247 | MSI_374 |
| LP248 | MSI_375 |
| LP249 | MSI_376 |
| LP250 | MSI_377 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| LP251            | MSI_378       |
| LP252            | MSI_379       |
| LP253            | MSI_380       |
| LP254            | MSI_381       |
| LP255            | MSI_382       |
| LP256            | MSI_383       |
| LP257            | MSI_384       |
| LP258            | MSI_385       |
| LP259            | MSI_386       |
| LP260            | MSI_387       |
| LP261            | MSI_388       |

|       |         |
|-------|---------|
| LP262 | MSI_389 |
| LP263 | MSI_390 |
| LP264 | MSI_391 |
| LP265 | MSI_392 |
| LP266 | MSI_393 |
| LP267 | MSI_394 |
| LP268 | MSI_395 |
| LP269 | MSI_396 |
| LP270 | MSI_397 |
| LP271 | MSI_398 |
| LP272 | MSI_399 |
| LP273 | MSI_400 |
| LP274 | MSI_401 |
| LP275 | MSI_402 |
| LP276 | MSI_403 |
| LP277 | MSI_404 |
| LP278 | MSI_405 |
| LP279 | MSI_406 |
| LP280 | MSI_407 |
| LP281 | MSI_408 |
| LP282 | MSI_409 |
| LP283 | MSI_410 |
| LP284 | MSI_411 |
| LP285 | MSI_412 |
| LP286 | MSI_413 |
| LP287 | MSI_414 |
| LP288 | MSI_415 |
| LP289 | MSI_416 |
| LP290 | MSI_417 |
| LP291 | MSI_418 |
| LP292 | MSI_419 |
| LP293 | MSI_420 |
| LP294 | MSI_421 |

|       |         |
|-------|---------|
| LP295 | MSI_422 |
| LP296 | MSI_423 |
| LP297 | MSI_424 |
| LP298 | MSI_425 |
| LP299 | MSI_426 |
| LP300 | MSI_427 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| LP301            | MSI_428       |
| LP302            | MSI_429       |
| LP303            | MSI_430       |
| LP304            | MSI_431       |
| LP305            | MSI_432       |
| LP306            | MSI_433       |
| LP307            | MSI_434       |
| LP308            | MSI_435       |
| LP309            | MSI_436       |
| LP310            | MSI_437       |
| LP311            | MSI_438       |
| LP312            | MSI_439       |
| LP313            | MSI_440       |
| LP314            | MSI_441       |
| LP315            | MSI_442       |
| LP316            | MSI_443       |
| LP317            | MSI_444       |
| LP318            | MSI_445       |
| LP319            | MSI_446       |
| LP320            | MSI_447       |
| LP321            | MSI_448       |
| LP322            | MSI_449       |
| LP323            | MSI_450       |
| LP324            | MSI_451       |
| LP325            | MSI_452       |

|       |         |
|-------|---------|
| LP326 | MSI_453 |
| LP327 | MSI_454 |
| LP328 | MSI_455 |
| LP329 | MSI_456 |
| LP330 | MSI_457 |
| LP331 | MSI_458 |
| LP332 | MSI_459 |
| LP333 | MSI_460 |
| LP334 | MSI_461 |
| LP335 | MSI_462 |
| LP336 | MSI_463 |
| LP337 | MSI_464 |
| LP338 | MSI_465 |
| LP339 | MSI_466 |
| LP340 | MSI_467 |
| LP341 | MSI_468 |
| LP342 | MSI_469 |
| LP343 | MSI_470 |
| LP344 | MSI_471 |
| LP345 | MSI_472 |
| LP346 | MSI_473 |
| LP347 | MSI_474 |
| LP348 | MSI_475 |
| LP349 | MSI_476 |
| LP350 | MSI_477 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| LP351            | MSI_478       |
| LP352            | MSI_479       |
| LP353            | MSI_480       |
| LP354            | MSI_481       |
| LP355            | MSI_482       |
| LP356            | MSI_483       |

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|-------|---------|
| LP357 | MSI_484 |
| LP358 | MSI_485 |
| LP359 | MSI_486 |
| LP360 | MSI_487 |
| LP361 | MSI_488 |
| LP362 | MSI_489 |
| LP363 | MSI_490 |
| LP364 | MSI_491 |
| LP365 | MSI_492 |
| LP366 | MSI_493 |
| LP367 | MSI_494 |
| LP368 | MSI_495 |
| LP369 | MSI_496 |
| LP370 | MSI_497 |
| LP371 | MSI_498 |
| LP372 | MSI_499 |
| LP373 | MSI_500 |
| LP374 | MSI_501 |
| LP375 | MSI_502 |
| LP376 | MSI_503 |
| LP377 | MSI_504 |
| LP378 | MSI_505 |
| LP379 | MSI_506 |
| LP380 | MSI_507 |
| LP381 | MSI_508 |
| LP382 | MSI_509 |
| LP383 | MSI_510 |
| LP384 | MSI_511 |
| LP385 | MSI_512 |
| LP386 | MSI_513 |
| LP387 | MSI_514 |
| LP388 | MSI_515 |
| LP389 | MSI_516 |

|       |         |
|-------|---------|
| LP390 | MSI_517 |
| LP391 | MSI_518 |
| LP392 | MSI_519 |
| LP393 | MSI_520 |
| LP394 | MSI_521 |
| LP395 | MSI_522 |
| LP396 | MSI_523 |
| LP397 | MSI_524 |
| LP398 | MSI_525 |
| LP399 | MSI_526 |
| LP400 | MSI_527 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| LP451            | MSI_578       |
| LP452            | MSI_579       |
| LP453            | MSI_580       |
| LP454            | MSI_581       |
| LP455            | MSI_582       |
| LP456            | MSI_583       |
| LP457            | MSI_584       |
| LP458            | MSI_585       |
| LP459            | MSI_586       |
| LP460            | MSI_587       |
| LP461            | MSI_588       |
| LP462            | MSI_589       |
| LP463            | MSI_590       |
| LP464            | MSI_591       |
| LP465            | MSI_592       |
| LP466            | MSI_593       |
| LP467            | MSI_594       |
| LP468            | MSI_595       |
| LP469            | MSI_596       |
| LP470            | MSI_597       |

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|-------|---------|
| LP471 | MSI_598 |
| LP472 | MSI_599 |
| LP473 | MSI_600 |
| LP474 | MSI_601 |
| LP475 | MSI_602 |
| LP476 | MSI_603 |
| LP477 | MSI_604 |
| LP478 | MSI_605 |
| LP479 | MSI_606 |
| LP480 | MSI_607 |
| LP481 | MSI_608 |
| LP482 | MSI_609 |
| LP483 | MSI_610 |
| LP484 | MSI_611 |
| LP485 | MSI_612 |
| LP486 | MSI_613 |
| LP487 | MSI_614 |
| LP488 | MSI_615 |
| LP489 | MSI_616 |
| LP490 | MSI_617 |
| LP491 | MSI_618 |
| LP492 | MSI_619 |
| LP493 | MSI_620 |
| LP494 | MSI_621 |
| LP495 | MSI_622 |
| LP496 | MSI_623 |
| LP497 | MSI_624 |
| LP498 | MSI_625 |
| LP499 | MSI_626 |
| LP500 | MSI_627 |

| Dialog ID | BACnet  |
|-----------|---------|
| LP501     | MSI_628 |
| LP502     | MSI_629 |
| LP503     | MSI_630 |
| LP504     | MSI_631 |
| LP505     | MSI_632 |
| LP506     | MSI_633 |
| LP507     | MSI_634 |
| LP508     | MSI_635 |
| LP509     | MSI_636 |
| LP510     | MSI_637 |
| LP511     | MSI_638 |
| LP512     | MSI_639 |

| Dialog ID | BACnet  |
|-----------|---------|
| GP001     | MSI_640 |
| GP002     | MSI_641 |
| GP003     | MSI_642 |
| GP004     | MSI_643 |
| GP005     | MSI_644 |
| GP006     | MSI_645 |
| GP007     | MSI_646 |
| GP008     | MSI_647 |
| GP009     | MSI_648 |
| GP010     | MSI_649 |
| GP011     | MSI_650 |
| GP012     | MSI_651 |
| GP013     | MSI_652 |
| GP014     | MSI_653 |
| GP015     | MSI_654 |
| GP016     | MSI_655 |
| GP017     | MSI_656 |
| GP018     | MSI_657 |

|       |         |
|-------|---------|
| GP019 | MSI_658 |
| GP020 | MSI_659 |
| GP021 | MSI_660 |
| GP022 | MSI_661 |
| GP023 | MSI_662 |
| GP024 | MSI_663 |
| GP025 | MSI_664 |
| GP026 | MSI_665 |
| GP027 | MSI_666 |
| GP028 | MSI_667 |
| GP029 | MSI_668 |
| GP030 | MSI_669 |
| GP031 | MSI_670 |
| GP032 | MSI_671 |
| GP033 | MSI_672 |
| GP034 | MSI_673 |
| GP035 | MSI_674 |
| GP036 | MSI_675 |
| GP037 | MSI_676 |
| GP038 | MSI_677 |
| GP039 | MSI_678 |
| GP040 | MSI_679 |
| GP041 | MSI_680 |
| GP042 | MSI_681 |
| GP043 | MSI_682 |
| GP044 | MSI_683 |
| GP045 | MSI_684 |
| GP046 | MSI_685 |
| GP047 | MSI_686 |
| GP048 | MSI_687 |
| GP049 | MSI_688 |
| GP050 | MSI_689 |

| Dialog ID | BACnet  |
|-----------|---------|
| GP051     | MSI_690 |
| GP052     | MSI_691 |
| GP053     | MSI_692 |
| GP054     | MSI_693 |
| GP055     | MSI_694 |
| GP056     | MSI_695 |
| GP057     | MSI_696 |
| GP058     | MSI_697 |
| GP059     | MSI_698 |
| GP060     | MSI_699 |
| GP061     | MSI_700 |
| GP062     | MSI_701 |
| GP063     | MSI_702 |
| GP064     | MSI_703 |
| GP065     | MSI_704 |
| GP066     | MSI_705 |
| GP067     | MSI_706 |
| GP068     | MSI_707 |
| GP069     | MSI_708 |
| GP070     | MSI_709 |
| GP071     | MSI_710 |
| GP072     | MSI_711 |
| GP073     | MSI_712 |
| GP074     | MSI_713 |
| GP075     | MSI_714 |
| GP076     | MSI_715 |
| GP077     | MSI_716 |
| GP078     | MSI_717 |
| GP079     | MSI_718 |
| GP080     | MSI_719 |
| GP081     | MSI_720 |

|       |         |
|-------|---------|
| GP082 | MSI_721 |
| GP083 | MSI_722 |
| GP084 | MSI_723 |
| GP085 | MSI_724 |
| GP086 | MSI_725 |
| GP087 | MSI_726 |
| GP088 | MSI_727 |
| GP089 | MSI_728 |
| GP090 | MSI_729 |
| GP091 | MSI_730 |
| GP092 | MSI_731 |
| GP093 | MSI_732 |
| GP094 | MSI_733 |
| GP095 | MSI_734 |
| GP096 | MSI_735 |
| GP097 | MSI_736 |
| GP098 | MSI_737 |
| GP099 | MSI_738 |
| GP100 | MSI_739 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| GP101            | MSI_740       |
| GP102            | MSI_741       |
| GP103            | MSI_742       |
| GP104            | MSI_743       |
| GP105            | MSI_744       |
| GP106            | MSI_745       |
| GP107            | MSI_746       |
| GP108            | MSI_747       |
| GP109            | MSI_748       |
| GP110            | MSI_749       |
| GP111            | MSI_750       |
| GP112            | MSI_751       |

|       |         |
|-------|---------|
| GP113 | MSI_752 |
| GP114 | MSI_753 |
| GP115 | MSI_754 |
| GP116 | MSI_755 |
| GP117 | MSI_756 |
| GP118 | MSI_757 |
| GP119 | MSI_758 |
| GP120 | MSI_759 |
| GP121 | MSI_760 |
| GP122 | MSI_761 |
| GP123 | MSI_762 |
| GP124 | MSI_763 |
| GP125 | MSI_764 |
| GP126 | MSI_765 |
| GP127 | MSI_766 |
| GP128 | MSI_767 |
| GP129 | MSI_768 |
| GP130 | MSI_769 |
| GP131 | MSI_770 |
| GP132 | MSI_771 |
| GP133 | MSI_772 |
| GP134 | MSI_773 |
| GP135 | MSI_774 |
| GP136 | MSI_775 |
| GP137 | MSI_776 |
| GP138 | MSI_777 |
| GP139 | MSI_778 |
| GP140 | MSI_779 |
| GP141 | MSI_780 |
| GP142 | MSI_781 |
| GP143 | MSI_782 |
| GP144 | MSI_783 |
| GP145 | MSI_784 |

|       |         |
|-------|---------|
| GP146 | MSI_785 |
| GP147 | MSI_786 |
| GP148 | MSI_787 |
| GP149 | MSI_788 |
| GP150 | MSI_789 |

| Dialog ID | BACnet  |
|-----------|---------|
| GP151     | MSI_790 |
| GP152     | MSI_791 |
| GP153     | MSI_792 |
| GP154     | MSI_793 |
| GP155     | MSI_794 |
| GP156     | MSI_795 |
| GP157     | MSI_796 |
| GP158     | MSI_797 |
| GP159     | MSI_798 |
| GP160     | MSI_799 |
| GP161     | MSI_800 |
| GP162     | MSI_801 |
| GP163     | MSI_802 |
| GP164     | MSI_803 |
| GP165     | MSI_804 |
| GP166     | MSI_805 |
| GP167     | MSI_806 |
| GP168     | MSI_807 |
| GP169     | MSI_808 |
| GP170     | MSI_809 |
| GP171     | MSI_810 |
| GP172     | MSI_811 |
| GP173     | MSI_812 |
| GP174     | MSI_813 |
| GP175     | MSI_814 |
| GP176     | MSI_815 |

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|-------|---------|
| GP177 | MSI_816 |
| GP178 | MSI_817 |
| GP179 | MSI_818 |
| GP180 | MSI_819 |
| GP181 | MSI_820 |
| GP182 | MSI_821 |
| GP183 | MSI_822 |
| GP184 | MSI_823 |
| GP185 | MSI_824 |
| GP186 | MSI_825 |
| GP187 | MSI_826 |
| GP188 | MSI_827 |
| GP189 | MSI_828 |
| GP190 | MSI_829 |
| GP191 | MSI_830 |
| GP192 | MSI_831 |
| GP193 | MSI_832 |
| GP194 | MSI_833 |
| GP195 | MSI_834 |
| GP196 | MSI_835 |
| GP197 | MSI_836 |
| GP198 | MSI_837 |
| GP199 | MSI_838 |
| GP200 | MSI_839 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| GP201            | MSI_840       |
| GP202            | MSI_841       |
| GP203            | MSI_842       |
| GP204            | MSI_843       |
| GP205            | MSI_844       |
| GP206            | MSI_845       |
| GP207            | MSI_846       |

|       |         |
|-------|---------|
| GP208 | MSI_847 |
| GP209 | MSI_848 |
| GP210 | MSI_849 |
| GP211 | MSI_850 |
| GP212 | MSI_851 |
| GP213 | MSI_852 |
| GP214 | MSI_853 |
| GP215 | MSI_854 |
| GP216 | MSI_855 |
| GP217 | MSI_856 |
| GP218 | MSI_857 |
| GP219 | MSI_858 |
| GP220 | MSI_859 |
| GP221 | MSI_860 |
| GP222 | MSI_861 |
| GP223 | MSI_862 |
| GP224 | MSI_863 |
| GP225 | MSI_864 |
| GP226 | MSI_865 |
| GP227 | MSI_866 |
| GP228 | MSI_867 |
| GP229 | MSI_868 |
| GP230 | MSI_869 |
| GP231 | MSI_870 |
| GP232 | MSI_871 |
| GP233 | MSI_872 |
| GP234 | MSI_873 |
| GP235 | MSI_874 |
| GP236 | MSI_875 |
| GP237 | MSI_876 |
| GP238 | MSI_877 |
| GP239 | MSI_878 |
| GP240 | MSI_879 |

|       |         |
|-------|---------|
| GP241 | MSI_880 |
| GP242 | MSI_881 |
| GP243 | MSI_882 |
| GP244 | MSI_883 |
| GP245 | MSI_884 |
| GP246 | MSI_885 |
| GP247 | MSI_886 |
| GP248 | MSI_887 |
| GP249 | MSI_888 |
| GP250 | MSI_889 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| GP251            | MSI_890       |
| GP252            | MSI_891       |
| GP253            | MSI_892       |
| GP254            | MSI_893       |
| GP255            | MSI_894       |
| GP256            | MSI_895       |
| GP257            | MSI_896       |
| GP258            | MSI_897       |
| GP259            | MSI_898       |
| GP260            | MSI_899       |
| GP261            | MSI_900       |
| GP262            | MSI_901       |
| GP263            | MSI_902       |
| GP264            | MSI_903       |
| GP265            | MSI_904       |
| GP266            | MSI_905       |
| GP267            | MSI_906       |
| GP268            | MSI_907       |
| GP269            | MSI_908       |
| GP270            | MSI_909       |
| GP271            | MSI_910       |

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|-------|---------|
| GP272 | MSI_911 |
| GP273 | MSI_912 |
| GP274 | MSI_913 |
| GP275 | MSI_914 |
| GP276 | MSI_915 |
| GP277 | MSI_916 |
| GP278 | MSI_917 |
| GP279 | MSI_918 |
| GP280 | MSI_919 |
| GP281 | MSI_920 |
| GP282 | MSI_921 |
| GP283 | MSI_922 |
| GP284 | MSI_923 |
| GP285 | MSI_924 |
| GP286 | MSI_925 |
| GP287 | MSI_926 |
| GP288 | MSI_927 |
| GP289 | MSI_928 |
| GP290 | MSI_929 |
| GP291 | MSI_930 |
| GP292 | MSI_931 |
| GP293 | MSI_932 |
| GP294 | MSI_933 |
| GP295 | MSI_934 |
| GP296 | MSI_935 |
| GP297 | MSI_936 |
| GP298 | MSI_937 |
| GP299 | MSI_938 |
| GP300 | MSI_939 |

| Dialog ID | BACnet  |
|-----------|---------|
| GP301     | MSI_940 |
| GP302     | MSI_941 |

|       |         |
|-------|---------|
| GP303 | MSI_942 |
| GP304 | MSI_943 |
| GP305 | MSI_944 |
| GP306 | MSI_945 |
| GP307 | MSI_946 |
| GP308 | MSI_947 |
| GP309 | MSI_948 |
| GP310 | MSI_949 |
| GP311 | MSI_950 |
| GP312 | MSI_951 |
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| GP316 | MSI_955 |
| GP317 | MSI_956 |
| GP318 | MSI_957 |
| GP319 | MSI_958 |
| GP320 | MSI_959 |
| GP321 | MSI_960 |
| GP322 | MSI_961 |
| GP323 | MSI_962 |
| GP324 | MSI_963 |
| GP325 | MSI_964 |
| GP326 | MSI_965 |
| GP327 | MSI_966 |
| GP328 | MSI_967 |
| GP329 | MSI_968 |
| GP330 | MSI_969 |
| GP331 | MSI_970 |
| GP332 | MSI_971 |
| GP333 | MSI_972 |
| GP334 | MSI_973 |
| GP335 | MSI_974 |

|       |         |
|-------|---------|
| GP336 | MSI_975 |
| GP337 | MSI_976 |
| GP338 | MSI_977 |
| GP339 | MSI_978 |
| GP340 | MSI_979 |
| GP341 | MSI_980 |
| GP342 | MSI_981 |
| GP343 | MSI_982 |
| GP344 | MSI_983 |
| GP345 | MSI_984 |
| GP346 | MSI_985 |
| GP347 | MSI_986 |
| GP348 | MSI_987 |
| GP349 | MSI_988 |
| GP350 | MSI_989 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| GP351            | MSI_990       |
| GP352            | MSI_991       |
| GP353            | MSI_992       |
| GP354            | MSI_993       |
| GP355            | MSI_994       |
| GP356            | MSI_995       |
| GP357            | MSI_996       |
| GP358            | MSI_997       |
| GP359            | MSI_998       |
| GP360            | MSI_999       |
| GP361            | MSI_1000      |
| GP362            | MSI_1001      |
| GP363            | MSI_1002      |
| GP364            | MSI_1003      |
| GP365            | MSI_1004      |
| GP366            | MSI_1005      |

|       |          |
|-------|----------|
| GP367 | MSI_1006 |
| GP368 | MSI_1007 |
| GP369 | MSI_1008 |
| GP370 | MSI_1009 |
| GP371 | MSI_1010 |
| GP372 | MSI_1011 |
| GP373 | MSI_1012 |
| GP374 | MSI_1013 |
| GP375 | MSI_1014 |
| GP376 | MSI_1015 |
| GP377 | MSI_1016 |
| GP378 | MSI_1017 |
| GP379 | MSI_1018 |
| GP380 | MSI_1019 |
| GP381 | MSI_1020 |
| GP382 | MSI_1021 |
| GP383 | MSI_1022 |
| GP384 | MSI_1023 |
| GP385 | MSI_1024 |
| GP386 | MSI_1025 |
| GP387 | MSI_1026 |
| GP388 | MSI_1027 |
| GP389 | MSI_1028 |
| GP390 | MSI_1029 |
| GP391 | MSI_1030 |
| GP392 | MSI_1031 |
| GP393 | MSI_1032 |
| GP394 | MSI_1033 |
| GP395 | MSI_1034 |
| GP396 | MSI_1035 |
| GP397 | MSI_1036 |
| GP398 | MSI_1037 |
| GP399 | MSI_1038 |

|       |          |
|-------|----------|
| GP400 | MSI_1039 |
|-------|----------|

| Dialog ID | BACnet   |
|-----------|----------|
| GP401     | MSI_1040 |
| GP402     | MSI_1041 |
| GP403     | MSI_1042 |
| GP404     | MSI_1043 |
| GP405     | MSI_1044 |
| GP406     | MSI_1045 |
| GP407     | MSI_1046 |
| GP408     | MSI_1047 |
| GP409     | MSI_1048 |
| GP410     | MSI_1049 |
| GP411     | MSI_1050 |
| GP412     | MSI_1051 |
| GP413     | MSI_1052 |
| GP414     | MSI_1053 |
| GP415     | MSI_1054 |
| GP416     | MSI_1055 |
| GP417     | MSI_1056 |
| GP418     | MSI_1057 |
| GP419     | MSI_1058 |
| GP420     | MSI_1059 |
| GP421     | MSI_1060 |
| GP422     | MSI_1061 |
| GP423     | MSI_1062 |
| GP424     | MSI_1063 |
| GP425     | MSI_1064 |
| GP426     | MSI_1065 |
| GP427     | MSI_1066 |
| GP428     | MSI_1067 |
| GP429     | MSI_1068 |
| GP430     | MSI_1069 |

|       |          |
|-------|----------|
| GP431 | MSI_1070 |
| GP432 | MSI_1071 |
| GP433 | MSI_1072 |
| GP434 | MSI_1073 |
| GP435 | MSI_1074 |
| GP436 | MSI_1075 |
| GP437 | MSI_1076 |
| GP438 | MSI_1077 |
| GP439 | MSI_1078 |
| GP440 | MSI_1079 |
| GP441 | MSI_1080 |
| GP442 | MSI_1081 |
| GP443 | MSI_1082 |
| GP444 | MSI_1083 |
| GP445 | MSI_1084 |
| GP446 | MSI_1085 |
| GP447 | MSI_1086 |
| GP448 | MSI_1087 |
| GP449 | MSI_1088 |
| GP450 | MSI_1089 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| GP451            | MSI_1090      |
| GP452            | MSI_1091      |
| GP453            | MSI_1092      |
| GP454            | MSI_1093      |
| GP455            | MSI_1094      |
| GP456            | MSI_1095      |
| GP457            | MSI_1096      |
| GP458            | MSI_1097      |
| GP459            | MSI_1098      |
| GP460            | MSI_1099      |
| GP461            | MSI_1100      |

|       |          |
|-------|----------|
| GP462 | MSI_1101 |
| GP463 | MSI_1102 |
| GP464 | MSI_1103 |
| GP465 | MSI_1104 |
| GP466 | MSI_1105 |
| GP467 | MSI_1106 |
| GP468 | MSI_1107 |
| GP469 | MSI_1108 |
| GP470 | MSI_1109 |
| GP471 | MSI_1110 |
| GP472 | MSI_1111 |
| GP473 | MSI_1112 |
| GP474 | MSI_1113 |
| GP475 | MSI_1114 |
| GP476 | MSI_1115 |
| GP477 | MSI_1116 |
| GP478 | MSI_1117 |
| GP479 | MSI_1118 |
| GP480 | MSI_1119 |
| GP481 | MSI_1120 |
| GP482 | MSI_1121 |
| GP483 | MSI_1122 |
| GP484 | MSI_1123 |
| GP485 | MSI_1124 |
| GP486 | MSI_1125 |
| GP487 | MSI_1126 |
| GP488 | MSI_1127 |
| GP489 | MSI_1128 |
| GP490 | MSI_1129 |
| GP491 | MSI_1130 |
| GP492 | MSI_1131 |
| GP493 | MSI_1132 |
| GP494 | MSI_1133 |

|       |          |
|-------|----------|
| GP495 | MSI_1134 |
| GP496 | MSI_1135 |
| GP497 | MSI_1136 |
| GP498 | MSI_1137 |
| GP499 | MSI_1138 |
| GP500 | MSI_1139 |

| Dialog ID | BACnet   |
|-----------|----------|
| GP501     | MSI_1140 |
| GP502     | MSI_1141 |
| GP503     | MSI_1142 |
| GP504     | MSI_1143 |
| GP505     | MSI_1144 |
| GP506     | MSI_1145 |
| GP507     | MSI_1146 |
| GP508     | MSI_1147 |
| GP509     | MSI_1148 |
| GP510     | MSI_1149 |
| GP511     | MSI_1150 |
| GP512     | MSI_1151 |

## Preset Global Status

**Multi-State Input – READ ONLY**  
**Values 1=OFF, 2=ON, 3=NA**

| Dialog ID | BACnet  |
|-----------|---------|
| LP001     | MSV_128 |
| LP002     | MSV_129 |
| LP003     | MSV_130 |
| LP004     | MSV_131 |
| LP005     | MSV_132 |
| LP006     | MSV_133 |
| LP007     | MSV_134 |

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| LP008 | MSV_135 |
| LP009 | MSV_136 |
| LP010 | MSV_137 |
| LP011 | MSV_138 |
| LP012 | MSV_139 |
| LP013 | MSV_140 |
| LP014 | MSV_141 |
| LP015 | MSV_142 |
| LP016 | MSV_143 |
| LP017 | MSV_144 |
| LP018 | MSV_145 |
| LP019 | MSV_146 |
| LP020 | MSV_147 |
| LP021 | MSV_148 |
| LP022 | MSV_149 |
| LP023 | MSV_150 |
| LP024 | MSV_151 |
| LP025 | MSV_152 |
| LP026 | MSV_153 |
| LP027 | MSV_154 |
| LP028 | MSV_155 |
| LP029 | MSV_156 |
| LP030 | MSV_157 |
| LP031 | MSV_158 |
| LP032 | MSV_159 |
| LP033 | MSV_160 |
| LP034 | MSV_161 |
| LP035 | MSV_162 |
| LP036 | MSV_163 |
| LP037 | MSV_164 |
| LP038 | MSV_165 |
| LP039 | MSV_166 |
| LP040 | MSV_167 |

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| LP041 | MSV_168 |
| LP042 | MSV_169 |
| LP043 | MSV_170 |
| LP044 | MSV_171 |
| LP045 | MSV_172 |
| LP046 | MSV_173 |
| LP047 | MSV_174 |
| LP048 | MSV_175 |
| LP049 | MSV_176 |
| LP050 | MSV_177 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| LP051            | MSV_178       |
| LP052            | MSV_179       |
| LP053            | MSV_180       |
| LP054            | MSV_181       |
| LP055            | MSV_182       |
| LP056            | MSV_183       |
| LP057            | MSV_184       |
| LP058            | MSV_185       |
| LP059            | MSV_186       |
| LP060            | MSV_187       |
| LP061            | MSV_188       |
| LP062            | MSV_189       |
| LP063            | MSV_190       |
| LP064            | MSV_191       |
| LP065            | MSV_192       |
| LP066            | MSV_193       |
| LP067            | MSV_194       |
| LP068            | MSV_195       |
| LP069            | MSV_196       |
| LP070            | MSV_197       |
| LP071            | MSV_198       |

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| LP072 | MSV_199 |
| LP073 | MSV_200 |
| LP074 | MSV_201 |
| LP075 | MSV_202 |
| LP076 | MSV_203 |
| LP077 | MSV_204 |
| LP078 | MSV_205 |
| LP079 | MSV_206 |
| LP080 | MSV_207 |
| LP081 | MSV_208 |
| LP082 | MSV_209 |
| LP083 | MSV_210 |
| LP084 | MSV_211 |
| LP085 | MSV_212 |
| LP086 | MSV_213 |
| LP087 | MSV_214 |
| LP088 | MSV_215 |
| LP089 | MSV_216 |
| LP090 | MSV_217 |
| LP091 | MSV_218 |
| LP092 | MSV_219 |
| LP093 | MSV_220 |
| LP094 | MSV_221 |
| LP095 | MSV_222 |
| LP096 | MSV_223 |
| LP097 | MSV_224 |
| LP098 | MSV_225 |
| LP099 | MSV_226 |
| LP100 | MSV_227 |

| Dialog ID | BACnet  |
|-----------|---------|
| LP101     | MSV_228 |
| LP102     | MSV_229 |

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| LP103 | MSV_230 |
| LP104 | MSV_231 |
| LP105 | MSV_232 |
| LP106 | MSV_233 |
| LP107 | MSV_234 |
| LP108 | MSV_235 |
| LP109 | MSV_236 |
| LP110 | MSV_237 |
| LP111 | MSV_238 |
| LP112 | MSV_239 |
| LP113 | MSV_240 |
| LP114 | MSV_241 |
| LP115 | MSV_242 |
| LP116 | MSV_243 |
| LP117 | MSV_244 |
| LP118 | MSV_245 |
| LP119 | MSV_246 |
| LP120 | MSV_247 |
| LP121 | MSV_248 |
| LP122 | MSV_249 |
| LP123 | MSV_250 |
| LP124 | MSV_251 |
| LP125 | MSV_252 |
| LP126 | MSV_253 |
| LP127 | MSV_254 |
| LP128 | MSV_255 |
| LP129 | MSV_256 |
| LP130 | MSV_257 |
| LP131 | MSV_258 |
| LP132 | MSV_259 |
| LP133 | MSV_260 |
| LP134 | MSV_261 |
| LP135 | MSV_262 |

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| LP136 | MSV_263 |
| LP137 | MSV_264 |
| LP138 | MSV_265 |
| LP139 | MSV_266 |
| LP140 | MSV_267 |
| LP141 | MSV_268 |
| LP142 | MSV_269 |
| LP143 | MSV_270 |
| LP144 | MSV_271 |
| LP145 | MSV_272 |
| LP146 | MSV_273 |
| LP147 | MSV_274 |
| LP148 | MSV_275 |
| LP149 | MSV_276 |
| LP150 | MSV_277 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| LP151            | MSV_278       |
| LP152            | MSV_279       |
| LP153            | MSV_280       |
| LP154            | MSV_281       |
| LP155            | MSV_282       |
| LP156            | MSV_283       |
| LP157            | MSV_284       |
| LP158            | MSV_285       |
| LP159            | MSV_286       |
| LP160            | MSV_287       |
| LP161            | MSV_288       |
| LP162            | MSV_289       |
| LP163            | MSV_290       |
| LP164            | MSV_291       |
| LP165            | MSV_292       |
| LP166            | MSV_293       |

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|-------|---------|
| LP167 | MSV_294 |
| LP168 | MSV_295 |
| LP169 | MSV_296 |
| LP170 | MSV_297 |
| LP171 | MSV_298 |
| LP172 | MSV_299 |
| LP173 | MSV_300 |
| LP174 | MSV_301 |
| LP175 | MSV_302 |
| LP176 | MSV_303 |
| LP177 | MSV_304 |
| LP178 | MSV_305 |
| LP179 | MSV_306 |
| LP180 | MSV_307 |
| LP181 | MSV_308 |
| LP182 | MSV_309 |
| LP183 | MSV_310 |
| LP184 | MSV_311 |
| LP185 | MSV_312 |
| LP186 | MSV_313 |
| LP187 | MSV_314 |
| LP188 | MSV_315 |
| LP189 | MSV_316 |
| LP190 | MSV_317 |
| LP191 | MSV_318 |
| LP192 | MSV_319 |
| LP193 | MSV_320 |
| LP194 | MSV_321 |
| LP195 | MSV_322 |
| LP196 | MSV_323 |
| LP197 | MSV_324 |
| LP198 | MSV_325 |
| LP199 | MSV_326 |

|       |         |
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| LP200 | MSV_327 |
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| Dialog ID | BACnet  |
|-----------|---------|
| LP201     | MSV_328 |
| LP202     | MSV_329 |
| LP203     | MSV_330 |
| LP204     | MSV_331 |
| LP205     | MSV_332 |
| LP206     | MSV_333 |
| LP207     | MSV_334 |
| LP208     | MSV_335 |
| LP209     | MSV_336 |
| LP210     | MSV_337 |
| LP211     | MSV_338 |
| LP212     | MSV_339 |
| LP213     | MSV_340 |
| LP214     | MSV_341 |
| LP215     | MSV_342 |
| LP216     | MSV_343 |
| LP217     | MSV_344 |
| LP218     | MSV_345 |
| LP219     | MSV_346 |
| LP220     | MSV_347 |
| LP221     | MSV_348 |
| LP222     | MSV_349 |
| LP223     | MSV_350 |
| LP224     | MSV_351 |
| LP225     | MSV_352 |
| LP226     | MSV_353 |
| LP227     | MSV_354 |
| LP228     | MSV_355 |
| LP229     | MSV_356 |
| LP230     | MSV_357 |

|       |         |
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| LP231 | MSV_358 |
| LP232 | MSV_359 |
| LP233 | MSV_360 |
| LP234 | MSV_361 |
| LP235 | MSV_362 |
| LP236 | MSV_363 |
| LP237 | MSV_364 |
| LP238 | MSV_365 |
| LP239 | MSV_366 |
| LP240 | MSV_367 |
| LP241 | MSV_368 |
| LP242 | MSV_369 |
| LP243 | MSV_370 |
| LP244 | MSV_371 |
| LP245 | MSV_372 |
| LP246 | MSV_373 |
| LP247 | MSV_374 |
| LP248 | MSV_375 |
| LP249 | MSV_376 |
| LP250 | MSV_377 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| LP251            | MSV_378       |
| LP252            | MSV_379       |
| LP253            | MSV_380       |
| LP254            | MSV_381       |
| LP255            | MSV_382       |
| LP256            | MSV_383       |
| LP257            | MSV_384       |
| LP258            | MSV_385       |
| LP259            | MSV_386       |
| LP260            | MSV_387       |
| LP261            | MSV_388       |

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| LP262 | MSV_389 |
| LP263 | MSV_390 |
| LP264 | MSV_391 |
| LP265 | MSV_392 |
| LP266 | MSV_393 |
| LP267 | MSV_394 |
| LP268 | MSV_395 |
| LP269 | MSV_396 |
| LP270 | MSV_397 |
| LP271 | MSV_398 |
| LP272 | MSV_399 |
| LP273 | MSV_400 |
| LP274 | MSV_401 |
| LP275 | MSV_402 |
| LP276 | MSV_403 |
| LP277 | MSV_404 |
| LP278 | MSV_405 |
| LP279 | MSV_406 |
| LP280 | MSV_407 |
| LP281 | MSV_408 |
| LP282 | MSV_409 |
| LP283 | MSV_410 |
| LP284 | MSV_411 |
| LP285 | MSV_412 |
| LP286 | MSV_413 |
| LP287 | MSV_414 |
| LP288 | MSV_415 |
| LP289 | MSV_416 |
| LP290 | MSV_417 |
| LP291 | MSV_418 |
| LP292 | MSV_419 |
| LP293 | MSV_420 |
| LP294 | MSV_421 |

|       |         |
|-------|---------|
| LP295 | MSV_422 |
| LP296 | MSV_423 |
| LP297 | MSV_424 |
| LP298 | MSV_425 |
| LP299 | MSV_426 |
| LP300 | MSV_427 |

| Dialog ID | BACnet  |
|-----------|---------|
| LP301     | MSV_428 |
| LP302     | MSV_429 |
| LP303     | MSV_430 |
| LP304     | MSV_431 |
| LP305     | MSV_432 |
| LP306     | MSV_433 |
| LP307     | MSV_434 |
| LP308     | MSV_435 |
| LP309     | MSV_436 |
| LP310     | MSV_437 |
| LP311     | MSV_438 |
| LP312     | MSV_439 |
| LP313     | MSV_440 |
| LP314     | MSV_441 |
| LP315     | MSV_442 |
| LP316     | MSV_443 |
| LP317     | MSV_444 |
| LP318     | MSV_445 |
| LP319     | MSV_446 |
| LP320     | MSV_447 |
| LP321     | MSV_448 |
| LP322     | MSV_449 |
| LP323     | MSV_450 |
| LP324     | MSV_451 |
| LP325     | MSV_452 |

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| LP326 | MSV_453 |
| LP327 | MSV_454 |
| LP328 | MSV_455 |
| LP329 | MSV_456 |
| LP330 | MSV_457 |
| LP331 | MSV_458 |
| LP332 | MSV_459 |
| LP333 | MSV_460 |
| LP334 | MSV_461 |
| LP335 | MSV_462 |
| LP336 | MSV_463 |
| LP337 | MSV_464 |
| LP338 | MSV_465 |
| LP339 | MSV_466 |
| LP340 | MSV_467 |
| LP341 | MSV_468 |
| LP342 | MSV_469 |
| LP343 | MSV_470 |
| LP344 | MSV_471 |
| LP345 | MSV_472 |
| LP346 | MSV_473 |
| LP347 | MSV_474 |
| LP348 | MSV_475 |
| LP349 | MSV_476 |
| LP350 | MSV_477 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| LP351            | MSV_478       |
| LP352            | MSV_479       |
| LP353            | MSV_480       |
| LP354            | MSV_481       |
| LP355            | MSV_482       |
| LP356            | MSV_483       |

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| LP357 | MSV_484 |
| LP358 | MSV_485 |
| LP359 | MSV_486 |
| LP360 | MSV_487 |
| LP361 | MSV_488 |
| LP362 | MSV_489 |
| LP363 | MSV_490 |
| LP364 | MSV_491 |
| LP365 | MSV_492 |
| LP366 | MSV_493 |
| LP367 | MSV_494 |
| LP368 | MSV_495 |
| LP369 | MSV_496 |
| LP370 | MSV_497 |
| LP371 | MSV_498 |
| LP372 | MSV_499 |
| LP373 | MSV_500 |
| LP374 | MSV_501 |
| LP375 | MSV_502 |
| LP376 | MSV_503 |
| LP377 | MSV_504 |
| LP378 | MSV_505 |
| LP379 | MSV_506 |
| LP380 | MSV_507 |
| LP381 | MSV_508 |
| LP382 | MSV_509 |
| LP383 | MSV_510 |
| LP384 | MSV_511 |
| LP385 | MSV_512 |
| LP386 | MSV_513 |
| LP387 | MSV_514 |
| LP388 | MSV_515 |
| LP389 | MSV_516 |

|       |         |
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| LP390 | MSV_517 |
| LP391 | MSV_518 |
| LP392 | MSV_519 |
| LP393 | MSV_520 |
| LP394 | MSV_521 |
| LP395 | MSV_522 |
| LP396 | MSV_523 |
| LP397 | MSV_524 |
| LP398 | MSV_525 |
| LP399 | MSV_526 |
| LP400 | MSV_527 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| LP401            | MSV_528       |
| LP402            | MSV_529       |
| LP403            | MSV_530       |
| LP404            | MSV_531       |
| LP405            | MSV_532       |
| LP406            | MSV_533       |
| LP407            | MSV_534       |
| LP408            | MSV_535       |
| LP409            | MSV_536       |
| LP410            | MSV_537       |
| LP411            | MSV_538       |
| LP412            | MSV_539       |
| LP413            | MSV_540       |
| LP414            | MSV_541       |
| LP415            | MSV_542       |
| LP416            | MSV_543       |
| LP417            | MSV_544       |
| LP418            | MSV_545       |
| LP419            | MSV_546       |
| LP420            | MSV_547       |

|       |         |
|-------|---------|
| LP421 | MSV_548 |
| LP422 | MSV_549 |
| LP423 | MSV_550 |
| LP424 | MSV_551 |
| LP425 | MSV_552 |
| LP426 | MSV_553 |
| LP427 | MSV_554 |
| LP428 | MSV_555 |
| LP429 | MSV_556 |
| LP430 | MSV_557 |
| LP431 | MSV_558 |
| LP432 | MSV_559 |
| LP433 | MSV_560 |
| LP434 | MSV_561 |
| LP435 | MSV_562 |
| LP436 | MSV_563 |
| LP437 | MSV_564 |
| LP438 | MSV_565 |
| LP439 | MSV_566 |
| LP440 | MSV_567 |
| LP441 | MSV_568 |
| LP442 | MSV_569 |
| LP443 | MSV_570 |
| LP444 | MSV_571 |
| LP445 | MSV_572 |
| LP446 | MSV_573 |
| LP447 | MSV_574 |
| LP448 | MSV_575 |
| LP449 | MSV_576 |
| LP450 | MSV_577 |

| Dialog ID | BACnet  |
|-----------|---------|
| LP451     | MSV_578 |

|       |         |
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| LP452 | MSV_579 |
| LP453 | MSV_580 |
| LP454 | MSV_581 |
| LP455 | MSV_582 |
| LP456 | MSV_583 |
| LP457 | MSV_584 |
| LP458 | MSV_585 |
| LP459 | MSV_586 |
| LP460 | MSV_587 |
| LP461 | MSV_588 |
| LP462 | MSV_589 |
| LP463 | MSV_590 |
| LP464 | MSV_591 |
| LP465 | MSV_592 |
| LP466 | MSV_593 |
| LP467 | MSV_594 |
| LP468 | MSV_595 |
| LP469 | MSV_596 |
| LP470 | MSV_597 |
| LP471 | MSV_598 |
| LP472 | MSV_599 |
| LP473 | MSV_600 |
| LP474 | MSV_601 |
| LP475 | MSV_602 |
| LP476 | MSV_603 |
| LP477 | MSV_604 |
| LP478 | MSV_605 |
| LP479 | MSV_606 |
| LP480 | MSV_607 |
| LP481 | MSV_608 |
| LP482 | MSV_609 |
| LP483 | MSV_610 |
| LP484 | MSV_611 |

|       |         |
|-------|---------|
| LP485 | MSV_612 |
| LP486 | MSV_613 |
| LP487 | MSV_614 |
| LP488 | MSV_615 |
| LP489 | MSV_616 |
| LP490 | MSV_617 |
| LP491 | MSV_618 |
| LP492 | MSV_619 |
| LP493 | MSV_620 |
| LP494 | MSV_621 |
| LP495 | MSV_622 |
| LP496 | MSV_623 |
| LP497 | MSV_624 |
| LP498 | MSV_625 |
| LP499 | MSV_626 |
| LP500 | MSV_627 |

| Dialog ID | BACnet  |
|-----------|---------|
| LP501     | MSV_628 |
| LP502     | MSV_629 |
| LP503     | MSV_630 |
| LP504     | MSV_631 |
| LP505     | MSV_632 |
| LP506     | MSV_633 |
| LP507     | MSV_634 |
| LP508     | MSV_635 |
| LP509     | MSV_636 |
| LP510     | MSV_637 |
| LP511     | MSV_638 |
| LP512     | MSV_639 |

| Dialog ID | BACnet  |
|-----------|---------|
| GP001     | MSV_640 |

|       |         |
|-------|---------|
| GP002 | MSV_641 |
| GP003 | MSV_642 |
| GP004 | MSV_643 |
| GP005 | MSV_644 |
| GP006 | MSV_645 |
| GP007 | MSV_646 |
| GP008 | MSV_647 |
| GP009 | MSV_648 |
| GP010 | MSV_649 |
| GP011 | MSV_650 |
| GP012 | MSV_651 |
| GP013 | MSV_652 |
| GP014 | MSV_653 |
| GP015 | MSV_654 |
| GP016 | MSV_655 |
| GP017 | MSV_656 |
| GP018 | MSV_657 |
| GP019 | MSV_658 |
| GP020 | MSV_659 |
| GP021 | MSV_660 |
| GP022 | MSV_661 |
| GP023 | MSV_662 |
| GP024 | MSV_663 |
| GP025 | MSV_664 |
| GP026 | MSV_665 |
| GP027 | MSV_666 |
| GP028 | MSV_667 |
| GP029 | MSV_668 |
| GP030 | MSV_669 |
| GP031 | MSV_670 |
| GP032 | MSV_671 |
| GP033 | MSV_672 |
| GP034 | MSV_673 |

|       |         |
|-------|---------|
| GP035 | MSV_674 |
| GP036 | MSV_675 |
| GP037 | MSV_676 |
| GP038 | MSV_677 |
| GP039 | MSV_678 |
| GP040 | MSV_679 |
| GP041 | MSV_680 |
| GP042 | MSV_681 |
| GP043 | MSV_682 |
| GP044 | MSV_683 |
| GP045 | MSV_684 |
| GP046 | MSV_685 |
| GP047 | MSV_686 |
| GP048 | MSV_687 |
| GP049 | MSV_688 |
| GP050 | MSV_689 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| GP101            | MSV_740       |
| GP102            | MSV_741       |
| GP103            | MSV_742       |
| GP104            | MSV_743       |
| GP105            | MSV_744       |
| GP106            | MSV_745       |
| GP107            | MSV_746       |
| GP108            | MSV_747       |
| GP109            | MSV_748       |
| GP110            | MSV_749       |
| GP111            | MSV_750       |
| GP112            | MSV_751       |
| GP113            | MSV_752       |
| GP114            | MSV_753       |
| GP115            | MSV_754       |

|       |         |
|-------|---------|
| GP116 | MSV_755 |
| GP117 | MSV_756 |
| GP118 | MSV_757 |
| GP119 | MSV_758 |
| GP120 | MSV_759 |
| GP121 | MSV_760 |
| GP122 | MSV_761 |
| GP123 | MSV_762 |
| GP124 | MSV_763 |
| GP125 | MSV_764 |
| GP126 | MSV_765 |
| GP127 | MSV_766 |
| GP128 | MSV_767 |
| GP129 | MSV_768 |
| GP130 | MSV_769 |
| GP131 | MSV_770 |
| GP132 | MSV_771 |
| GP133 | MSV_772 |
| GP134 | MSV_773 |
| GP135 | MSV_774 |
| GP136 | MSV_775 |
| GP137 | MSV_776 |
| GP138 | MSV_777 |
| GP139 | MSV_778 |
| GP140 | MSV_779 |
| GP141 | MSV_780 |
| GP142 | MSV_781 |
| GP143 | MSV_782 |
| GP144 | MSV_783 |
| GP145 | MSV_784 |
| GP146 | MSV_785 |
| GP147 | MSV_786 |
| GP148 | MSV_787 |

|       |         |
|-------|---------|
| GP149 | MSV_788 |
| GP150 | MSV_789 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| GP151            | MSV_790       |
| GP152            | MSV_791       |
| GP153            | MSV_792       |
| GP154            | MSV_793       |
| GP155            | MSV_794       |
| GP156            | MSV_795       |
| GP157            | MSV_796       |
| GP158            | MSV_797       |
| GP159            | MSV_798       |
| GP160            | MSV_799       |
| GP161            | MSV_800       |
| GP162            | MSV_801       |
| GP163            | MSV_802       |
| GP164            | MSV_803       |
| GP165            | MSV_804       |
| GP166            | MSV_805       |
| GP167            | MSV_806       |
| GP168            | MSV_807       |
| GP169            | MSV_808       |
| GP170            | MSV_809       |
| GP171            | MSV_810       |
| GP172            | MSV_811       |
| GP173            | MSV_812       |
| GP174            | MSV_813       |
| GP175            | MSV_814       |
| GP176            | MSV_815       |
| GP177            | MSV_816       |
| GP178            | MSV_817       |
| GP179            | MSV_818       |

|       |         |
|-------|---------|
| GP180 | MSV_819 |
| GP181 | MSV_820 |
| GP182 | MSV_821 |
| GP183 | MSV_822 |
| GP184 | MSV_823 |
| GP185 | MSV_824 |
| GP186 | MSV_825 |
| GP187 | MSV_826 |
| GP188 | MSV_827 |
| GP189 | MSV_828 |
| GP190 | MSV_829 |
| GP191 | MSV_830 |
| GP192 | MSV_831 |
| GP193 | MSV_832 |
| GP194 | MSV_833 |
| GP195 | MSV_834 |
| GP196 | MSV_835 |
| GP197 | MSV_836 |
| GP198 | MSV_837 |
| GP199 | MSV_838 |
| GP200 | MSV_839 |

| <b>Dialog ID</b> | <b>BACnet</b> |
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| GP201            | MSV_840       |
| GP202            | MSV_841       |
| GP203            | MSV_842       |
| GP204            | MSV_843       |
| GP205            | MSV_844       |
| GP206            | MSV_845       |
| GP207            | MSV_846       |
| GP208            | MSV_847       |
| GP209            | MSV_848       |
| GP210            | MSV_849       |

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| GP211 | MSV_850 |
| GP212 | MSV_851 |
| GP213 | MSV_852 |
| GP214 | MSV_853 |
| GP215 | MSV_854 |
| GP216 | MSV_855 |
| GP217 | MSV_856 |
| GP218 | MSV_857 |
| GP219 | MSV_858 |
| GP220 | MSV_859 |
| GP221 | MSV_860 |
| GP222 | MSV_861 |
| GP223 | MSV_862 |
| GP224 | MSV_863 |
| GP225 | MSV_864 |
| GP226 | MSV_865 |
| GP227 | MSV_866 |
| GP228 | MSV_867 |
| GP229 | MSV_868 |
| GP230 | MSV_869 |
| GP231 | MSV_870 |
| GP232 | MSV_871 |
| GP233 | MSV_872 |
| GP234 | MSV_873 |
| GP235 | MSV_874 |
| GP236 | MSV_875 |
| GP237 | MSV_876 |
| GP238 | MSV_877 |
| GP239 | MSV_878 |
| GP240 | MSV_879 |
| GP241 | MSV_880 |
| GP242 | MSV_881 |
| GP243 | MSV_882 |

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| GP244 | MSV_883 |
| GP245 | MSV_884 |
| GP246 | MSV_885 |
| GP247 | MSV_886 |
| GP248 | MSV_887 |
| GP249 | MSV_888 |
| GP250 | MSV_889 |

| <b>Dialog ID</b> | <b>BACnet</b> |
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| GP251            | MSV_890       |
| GP252            | MSV_891       |
| GP253            | MSV_892       |
| GP254            | MSV_893       |
| GP255            | MSV_894       |
| GP256            | MSV_895       |
| GP257            | MSV_896       |
| GP258            | MSV_897       |
| GP259            | MSV_898       |
| GP260            | MSV_899       |
| GP261            | MSV_900       |
| GP262            | MSV_901       |
| GP263            | MSV_902       |
| GP264            | MSV_903       |
| GP265            | MSV_904       |
| GP266            | MSV_905       |
| GP267            | MSV_906       |
| GP268            | MSV_907       |
| GP269            | MSV_908       |
| GP270            | MSV_909       |
| GP271            | MSV_910       |
| GP272            | MSV_911       |
| GP273            | MSV_912       |
| GP274            | MSV_913       |

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| GP275 | MSV_914 |
| GP276 | MSV_915 |
| GP277 | MSV_916 |
| GP278 | MSV_917 |
| GP279 | MSV_918 |
| GP280 | MSV_919 |
| GP281 | MSV_920 |
| GP282 | MSV_921 |
| GP283 | MSV_922 |
| GP284 | MSV_923 |
| GP285 | MSV_924 |
| GP286 | MSV_925 |
| GP287 | MSV_926 |
| GP288 | MSV_927 |
| GP289 | MSV_928 |
| GP290 | MSV_929 |
| GP291 | MSV_930 |
| GP292 | MSV_931 |
| GP293 | MSV_932 |
| GP294 | MSV_933 |
| GP295 | MSV_934 |
| GP296 | MSV_935 |
| GP297 | MSV_936 |
| GP298 | MSV_937 |
| GP299 | MSV_938 |
| GP300 | MSV_939 |

| <b>Dialog ID</b> | <b>BACnet</b> |
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| GP301            | MSV_940       |
| GP302            | MSV_941       |
| GP303            | MSV_942       |
| GP304            | MSV_943       |
| GP305            | MSV_944       |

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| GP306 | MSV_945 |
| GP307 | MSV_946 |
| GP308 | MSV_947 |
| GP309 | MSV_948 |
| GP310 | MSV_949 |
| GP311 | MSV_950 |
| GP312 | MSV_951 |
| GP313 | MSV_952 |
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| GP315 | MSV_954 |
| GP316 | MSV_955 |
| GP317 | MSV_956 |
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| GP323 | MSV_962 |
| GP324 | MSV_963 |
| GP325 | MSV_964 |
| GP326 | MSV_965 |
| GP327 | MSV_966 |
| GP328 | MSV_967 |
| GP329 | MSV_968 |
| GP330 | MSV_969 |
| GP331 | MSV_970 |
| GP332 | MSV_971 |
| GP333 | MSV_972 |
| GP334 | MSV_973 |
| GP335 | MSV_974 |
| GP336 | MSV_975 |
| GP337 | MSV_976 |
| GP338 | MSV_977 |

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| GP339 | MSV_978 |
| GP340 | MSV_979 |
| GP341 | MSV_980 |
| GP342 | MSV_981 |
| GP343 | MSV_982 |
| GP344 | MSV_983 |
| GP345 | MSV_984 |
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| GP347 | MSV_986 |
| GP348 | MSV_987 |
| GP349 | MSV_988 |
| GP350 | MSV_989 |

| Dialog ID | BACnet   |
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| GP351     | MSV_990  |
| GP352     | MSV_991  |
| GP353     | MSV_992  |
| GP354     | MSV_993  |
| GP355     | MSV_994  |
| GP356     | MSV_995  |
| GP357     | MSV_996  |
| GP358     | MSV_997  |
| GP359     | MSV_998  |
| GP360     | MSV_999  |
| GP361     | MSV_1000 |
| GP362     | MSV_1001 |
| GP363     | MSV_1002 |
| GP364     | MSV_1003 |
| GP365     | MSV_1004 |
| GP366     | MSV_1005 |
| GP367     | MSV_1006 |
| GP368     | MSV_1007 |
| GP369     | MSV_1008 |

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| GP370 | MSV_1009 |
| GP371 | MSV_1010 |
| GP372 | MSV_1011 |
| GP373 | MSV_1012 |
| GP374 | MSV_1013 |
| GP375 | MSV_1014 |
| GP376 | MSV_1015 |
| GP377 | MSV_1016 |
| GP378 | MSV_1017 |
| GP379 | MSV_1018 |
| GP380 | MSV_1019 |
| GP381 | MSV_1020 |
| GP382 | MSV_1021 |
| GP383 | MSV_1022 |
| GP384 | MSV_1023 |
| GP385 | MSV_1024 |
| GP386 | MSV_1025 |
| GP387 | MSV_1026 |
| GP388 | MSV_1027 |
| GP389 | MSV_1028 |
| GP390 | MSV_1029 |
| GP391 | MSV_1030 |
| GP392 | MSV_1031 |
| GP393 | MSV_1032 |
| GP394 | MSV_1033 |
| GP395 | MSV_1034 |
| GP396 | MSV_1035 |
| GP397 | MSV_1036 |
| GP398 | MSV_1037 |
| GP399 | MSV_1038 |
| GP400 | MSV_1039 |

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| <b>Dialog ID</b> | <b>BACnet</b> |
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| GP401 | MSV_1040 |
| GP402 | MSV_1041 |
| GP403 | MSV_1042 |
| GP404 | MSV_1043 |
| GP405 | MSV_1044 |
| GP406 | MSV_1045 |
| GP407 | MSV_1046 |
| GP408 | MSV_1047 |
| GP409 | MSV_1048 |
| GP410 | MSV_1049 |
| GP411 | MSV_1050 |
| GP412 | MSV_1051 |
| GP413 | MSV_1052 |
| GP414 | MSV_1053 |
| GP415 | MSV_1054 |
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| GP418 | MSV_1057 |
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| GP421 | MSV_1060 |
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| GP423 | MSV_1062 |
| GP424 | MSV_1063 |
| GP425 | MSV_1064 |
| GP426 | MSV_1065 |
| GP427 | MSV_1066 |
| GP428 | MSV_1067 |
| GP429 | MSV_1068 |
| GP430 | MSV_1069 |
| GP431 | MSV_1070 |
| GP432 | MSV_1071 |
| GP433 | MSV_1072 |

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| GP434 | MSV_1073 |
| GP435 | MSV_1074 |
| GP436 | MSV_1075 |
| GP437 | MSV_1076 |
| GP438 | MSV_1077 |
| GP439 | MSV_1078 |
| GP440 | MSV_1079 |
| GP441 | MSV_1080 |
| GP442 | MSV_1081 |
| GP443 | MSV_1082 |
| GP444 | MSV_1083 |
| GP445 | MSV_1084 |
| GP446 | MSV_1085 |
| GP447 | MSV_1086 |
| GP448 | MSV_1087 |
| GP449 | MSV_1088 |
| GP450 | MSV_1089 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| GP451            | MSV_1090      |
| GP452            | MSV_1091      |
| GP453            | MSV_1092      |
| GP454            | MSV_1093      |
| GP455            | MSV_1094      |
| GP456            | MSV_1095      |
| GP457            | MSV_1096      |
| GP458            | MSV_1097      |
| GP459            | MSV_1098      |
| GP460            | MSV_1099      |
| GP461            | MSV_1100      |
| GP462            | MSV_1101      |
| GP463            | MSV_1102      |
| GP464            | MSV_1103      |

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| GP465 | MSV_1104 |
| GP466 | MSV_1105 |
| GP467 | MSV_1106 |
| GP468 | MSV_1107 |
| GP469 | MSV_1108 |
| GP470 | MSV_1109 |
| GP471 | MSV_1110 |
| GP472 | MSV_1111 |
| GP473 | MSV_1112 |
| GP474 | MSV_1113 |
| GP475 | MSV_1114 |
| GP476 | MSV_1115 |
| GP477 | MSV_1116 |
| GP478 | MSV_1117 |
| GP479 | MSV_1118 |
| GP480 | MSV_1119 |
| GP481 | MSV_1120 |
| GP482 | MSV_1121 |
| GP483 | MSV_1122 |
| GP484 | MSV_1123 |
| GP485 | MSV_1124 |
| GP486 | MSV_1125 |
| GP487 | MSV_1126 |
| GP488 | MSV_1127 |
| GP489 | MSV_1128 |
| GP490 | MSV_1129 |
| GP491 | MSV_1130 |
| GP492 | MSV_1131 |
| GP493 | MSV_1132 |
| GP494 | MSV_1133 |
| GP495 | MSV_1134 |
| GP496 | MSV_1135 |
| GP497 | MSV_1136 |

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| GP498 | MSV_1137 |
| GP499 | MSV_1138 |
| GP500 | MSV_1139 |

| Dialog ID | BACnet   |
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| GP501     | MSV_1140 |
| GP502     | MSV_1141 |
| GP503     | MSV_1142 |
| GP504     | MSV_1143 |
| GP505     | MSV_1144 |
| GP506     | MSV_1145 |
| GP507     | MSV_1146 |
| GP508     | MSV_1147 |
| GP509     | MSV_1148 |
| GP510     | MSV_1149 |
| GP511     | MSV_1150 |
| GP512     | MSV_1151 |

| Dialog ID | BACnet   |
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| R1.1o     | MSI_1408 |
| R1.2o     | MSI_1409 |
| R1.3o     | MSI_1410 |
| R1.4o     | MSI_1411 |
| R2.1o     | MSI_1412 |
| R2.2o     | MSI_1413 |
| R2.3o     | MSI_1414 |
| R2.4o     | MSI_1415 |
| R3.1o     | MSI_1416 |
| R3.2o     | MSI_1417 |
| R3.3o     | MSI_1418 |
| R3.4o     | MSI_1419 |
| R4.1o     | MSI_1420 |
| R4.2o     | MSI_1421 |

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| R4.3o  | MSI_1422 |
| R4.4o  | MSI_1423 |
| R5.1o  | MSI_1424 |
| R5.2o  | MSI_1425 |
| R5.3o  | MSI_1426 |
| R5.4o  | MSI_1427 |
| R6.1o  | MSI_1428 |
| R6.2o  | MSI_1429 |
| R6.3o  | MSI_1430 |
| R6.4o  | MSI_1431 |
| R7.1o  | MSI_1432 |
| R7.2o  | MSI_1433 |
| R7.3o  | MSI_1434 |
| R7.4o  | MSI_1435 |
| R8.1o  | MSI_1436 |
| R8.2o  | MSI_1437 |
| R8.3o  | MSI_1438 |
| R8.4o  | MSI_1439 |
| R9.1o  | MSI_1440 |
| R9.2o  | MSI_1441 |
| R9.3o  | MSI_1442 |
| R9.4o  | MSI_1443 |
| R10.1o | MSI_1444 |
| R10.2o | MSI_1445 |
| R10.3o | MSI_1446 |
| R10.4o | MSI_1447 |
| R11.1o | MSI_1448 |
| R11.2o | MSI_1449 |
| R11.3o | MSI_1450 |
| R11.4o | MSI_1451 |
| R12.1o | MSI_1452 |
| R12.2o | MSI_1453 |

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| R12.3o | MSI_1454 |
| R12.4o | MSI_1455 |

| <b>Dialog ID</b> | <b>BACnet</b> |
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| R13.1o           | MSI_1456      |
| R13.2o           | MSI_1457      |
| R13.3o           | MSI_1458      |
| R13.4o           | MSI_1459      |
| R14.1o           | MSI_1460      |
| R14.2o           | MSI_1461      |
| R14.3o           | MSI_1462      |
| R14.4o           | MSI_1463      |
| R15.1o           | MSI_1464      |
| R15.2o           | MSI_1465      |
| R15.3o           | MSI_1466      |
| R15.4o           | MSI_1467      |
| R16.1o           | MSI_1468      |
| R16.2o           | MSI_1469      |
| R16.3o           | MSI_1470      |
| R16.4o           | MSI_1471      |
| R17.1o           | MSI_1472      |
| R17.2o           | MSI_1473      |
| R17.3o           | MSI_1474      |
| R17.4o           | MSI_1475      |
| R18.1o           | MSI_1476      |
| R18.2o           | MSI_1477      |
| R18.3o           | MSI_1478      |
| R18.4o           | MSI_1479      |
| R19.1o           | MSI_1480      |
| R19.2o           | MSI_1481      |
| R19.3o           | MSI_1482      |
| R19.4o           | MSI_1483      |
| R20.1o           | MSI_1484      |

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| R20.2o | MSI_1485 |
| R20.3o | MSI_1486 |
| R20.4o | MSI_1487 |
| R21.1o | MSI_1488 |
| R21.2o | MSI_1489 |
| R21.3o | MSI_1490 |
| R21.4o | MSI_1491 |
| R22.1o | MSI_1492 |
| R22.2o | MSI_1493 |
| R22.3o | MSI_1494 |
| R22.4o | MSI_1495 |
| R23.1o | MSI_1496 |
| R23.2o | MSI_1497 |
| R23.3o | MSI_1498 |
| R23.4o | MSI_1499 |
| R24.1o | MSI_1500 |
| R24.2o | MSI_1501 |
| R24.3o | MSI_1502 |
| R24.4o | MSI_1503 |

| <b>Dialog ID</b> | <b>BACnet</b> |
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| R25.1o           | MSI_1504      |
| R25.2o           | MSI_1505      |
| R25.3o           | MSI_1506      |
| R25.4o           | MSI_1507      |
| R26.1o           | MSI_1508      |
| R26.2o           | MSI_1509      |
| R26.3o           | MSI_1510      |
| R26.4o           | MSI_1511      |
| R27.1o           | MSI_1512      |
| R27.2o           | MSI_1513      |
| R27.3o           | MSI_1514      |
| R27.4o           | MSI_1515      |

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| R28.1o | MSI_1516 |
| R28.2o | MSI_1517 |
| R28.3o | MSI_1518 |
| R28.4o | MSI_1519 |
| R29.1o | MSI_1520 |
| R29.2o | MSI_1521 |
| R29.3o | MSI_1522 |
| R29.4o | MSI_1523 |
| R30.1o | MSI_1524 |
| R30.2o | MSI_1525 |
| R30.3o | MSI_1526 |
| R30.4o | MSI_1527 |
| R31.1o | MSI_1528 |
| R31.2o | MSI_1529 |
| R31.3o | MSI_1530 |
| R31.4o | MSI_1531 |
| R32.1o | MSI_1532 |
| R32.2o | MSI_1533 |
| R32.3o | MSI_1534 |
| R32.4o | MSI_1535 |
| R33.1o | MSI_1536 |
| R33.2o | MSI_1537 |
| R33.3o | MSI_1538 |
| R33.4o | MSI_1539 |
| R34.1o | MSI_1540 |
| R34.2o | MSI_1541 |
| R34.3o | MSI_1542 |
| R34.4o | MSI_1543 |
| R35.1o | MSI_1544 |
| R35.2o | MSI_1545 |
| R35.3o | MSI_1546 |
| R35.4o | MSI_1547 |
| R36.1o | MSI_1548 |

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| R36.2o | MSI_1549 |
| R36.3o | MSI_1550 |
| R36.4o | MSI_1551 |

| <b>Dialog ID</b> | <b>BACnet</b> |
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| R37.1o           | MSI_1552      |
| R37.2o           | MSI_1553      |
| R37.3o           | MSI_1554      |
| R37.4o           | MSI_1555      |
| R38.1o           | MSI_1556      |
| R38.2o           | MSI_1557      |
| R38.3o           | MSI_1558      |
| R38.4o           | MSI_1559      |
| R39.1o           | MSI_1560      |
| R39.2o           | MSI_1561      |
| R39.3o           | MSI_1562      |
| R39.4o           | MSI_1563      |
| R40.1o           | MSI_1564      |
| R40.2o           | MSI_1565      |
| R40.3o           | MSI_1566      |
| R40.4o           | MSI_1567      |
| R41.1o           | MSI_1568      |
| R41.2o           | MSI_1569      |
| R41.3o           | MSI_1570      |
| R41.4o           | MSI_1571      |
| R42.1o           | MSI_1572      |
| R42.2o           | MSI_1573      |
| R42.3o           | MSI_1574      |
| R42.4o           | MSI_1575      |
| R43.1o           | MSI_1576      |
| R43.2o           | MSI_1577      |
| R43.3o           | MSI_1578      |
| R43.4o           | MSI_1579      |

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| R44.1o | MSI_1580 |
| R44.2o | MSI_1581 |
| R44.3o | MSI_1582 |
| R44.4o | MSI_1583 |
| R45.1o | MSI_1584 |
| R45.2o | MSI_1585 |
| R45.3o | MSI_1586 |
| R45.4o | MSI_1587 |
| R46.1o | MSI_1588 |
| R46.2o | MSI_1589 |
| R46.3o | MSI_1590 |
| R46.4o | MSI_1591 |
| R47.1o | MSI_1592 |
| R47.2o | MSI_1593 |
| R47.3o | MSI_1594 |
| R47.4o | MSI_1595 |
| R48.1o | MSI_1596 |
| R48.2o | MSI_1597 |
| R48.3o | MSI_1598 |
| R48.4o | MSI_1599 |

| <b>Dialog ID</b> | <b>BACnet</b> |
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| R49.1o           | MSI_1600      |
| R49.2o           | MSI_1601      |
| R49.3o           | MSI_1602      |
| R49.4o           | MSI_1603      |
| R50.1o           | MSI_1604      |
| R50.2o           | MSI_1605      |
| R50.3o           | MSI_1606      |
| R50.4o           | MSI_1607      |
| R51.1o           | MSI_1608      |
| R51.2o           | MSI_1609      |
| R51.3o           | MSI_1610      |

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| R51.4o | MSI_1611 |
| R52.1o | MSI_1612 |
| R52.2o | MSI_1613 |
| R52.3o | MSI_1614 |
| R52.4o | MSI_1615 |
| R53.1o | MSI_1616 |
| R53.2o | MSI_1617 |
| R53.3o | MSI_1618 |
| R53.4o | MSI_1619 |
| R54.1o | MSI_1620 |
| R54.2o | MSI_1621 |
| R54.3o | MSI_1622 |
| R54.4o | MSI_1623 |
| R55.1o | MSI_1624 |
| R55.2o | MSI_1625 |
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| R56.1o | MSI_1628 |
| R56.2o | MSI_1629 |
| R56.3o | MSI_1630 |
| R56.4o | MSI_1631 |
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| R57.2o | MSI_1633 |
| R57.3o | MSI_1634 |
| R57.4o | MSI_1635 |
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| R58.2o | MSI_1637 |
| R58.3o | MSI_1638 |
| R58.4o | MSI_1639 |
| R59.1o | MSI_1640 |
| R59.2o | MSI_1641 |
| R59.3o | MSI_1642 |
| R59.4o | MSI_1643 |

|        |          |
|--------|----------|
| R60.1o | MSI_1644 |
| R60.2o | MSI_1645 |
| R60.3o | MSI_1646 |
| R60.4o | MSI_1647 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| R61.1o           | MSI_1648      |
| R61.2o           | MSI_1649      |
| R61.3o           | MSI_1650      |
| R61.4o           | MSI_1651      |
| R62.1o           | MSI_1652      |
| R62.2o           | MSI_1653      |
| R62.3o           | MSI_1654      |
| R62.4o           | MSI_1655      |
| R63.1o           | MSI_1656      |
| R63.2o           | MSI_1657      |
| R63.3o           | MSI_1658      |
| R63.4o           | MSI_1659      |
| R64.1o           | MSI_1660      |
| R64.2o           | MSI_1661      |
| R64.3o           | MSI_1662      |
| R64.4o           | MSI_1663      |

## **Preset Local OCC Status**

| Dialog ID | BACnet   |
|-----------|----------|
| G001o     | MSI_1664 |
| G002o     | MSI_1665 |
| G003o     | MSI_1666 |
| G004o     | MSI_1667 |
| G005o     | MSI_1668 |
| G006o     | MSI_1669 |
| G007o     | MSI_1670 |
| G008o     | MSI_1671 |
| G009o     | MSI_1672 |
| G010o     | MSI_1673 |
| G011o     | MSI_1674 |
| G012o     | MSI_1675 |
| G013o     | MSI_1676 |
| G014o     | MSI_1677 |
| G015o     | MSI_1678 |
| G016o     | MSI_1679 |
| G017o     | MSI_1680 |
| G018o     | MSI_1681 |
| G019o     | MSI_1682 |
| G020o     | MSI_1683 |
| G021o     | MSI_1684 |
| G022o     | MSI_1685 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| G023o            | MSI_1686      |
| G024o            | MSI_1687      |
| G025o            | MSI_1688      |
| G026o            | MSI_1689      |
| G027o            | MSI_1690      |
| G028o            | MSI_1691      |
| G029o            | MSI_1692      |
| G030o            | MSI_1693      |
| G031o            | MSI_1694      |
| G032o            | MSI_1695      |
| G033o            | MSI_1696      |
| G034o            | MSI_1697      |
| G035o            | MSI_1698      |
| G036o            | MSI_1699      |
| G037o            | MSI_1700      |
| G038o            | MSI_1701      |
| G039o            | MSI_1702      |
| G040o            | MSI_1703      |
| G041o            | MSI_1704      |
| G042o            | MSI_1705      |
| G043o            | MSI_1706      |
| G044o            | MSI_1707      |

| Dialog ID | BACnet   |
|-----------|----------|
| G045o     | MSI_1708 |
| G046o     | MSI_1709 |
| G047o     | MSI_1710 |
| G048o     | MSI_1711 |
| G049o     | MSI_1712 |
| G050o     | MSI_1713 |
| G051o     | MSI_1714 |
| G052o     | MSI_1715 |
| G053o     | MSI_1716 |
| G054o     | MSI_1717 |
| G055o     | MSI_1718 |
| G056o     | MSI_1719 |
| G057o     | MSI_1720 |
| G058o     | MSI_1721 |
| G059o     | MSI_1722 |
| G060o     | MSI_1723 |
| G061o     | MSI_1724 |
| G062o     | MSI_1725 |
| G063o     | MSI_1726 |
| G064o     | MSI_1727 |
| G065o     | MSI_1728 |
| G066o     | MSI_1729 |

| Dialog ID | BACnet   |
|-----------|----------|
| G067o     | MSI_1730 |
| G068o     | MSI_1731 |
| G069o     | MSI_1732 |
| G070o     | MSI_1733 |
| G071o     | MSI_1734 |
| G072o     | MSI_1735 |
| G073o     | MSI_1736 |
| G074o     | MSI_1737 |
| G075o     | MSI_1738 |
| G076o     | MSI_1739 |
| G077o     | MSI_1740 |
| G078o     | MSI_1741 |
| G079o     | MSI_1742 |
| G080o     | MSI_1743 |
| G081o     | MSI_1744 |
| G082o     | MSI_1745 |
| G083o     | MSI_1746 |
| G084o     | MSI_1747 |
| G085o     | MSI_1748 |
| G086o     | MSI_1749 |
| G087o     | MSI_1750 |
| G088o     | MSI_1751 |

| Dialog ID | BACnet   |
|-----------|----------|
| G089o     | MSI_1752 |
| G090o     | MSI_1753 |
| G091o     | MSI_1754 |
| G092o     | MSI_1755 |
| G093o     | MSI_1756 |
| G094o     | MSI_1757 |
| G095o     | MSI_1758 |
| G096o     | MSI_1759 |
| G097o     | MSI_1760 |
| G098o     | MSI_1761 |
| G099o     | MSI_1762 |
| G100o     | MSI_1763 |
| G101o     | MSI_1764 |
| G102o     | MSI_1765 |
| G103o     | MSI_1766 |
| G104o     | MSI_1767 |
| G105o     | MSI_1768 |
| G106o     | MSI_1769 |
| G107o     | MSI_1770 |
| G108o     | MSI_1771 |
| G109o     | MSI_1772 |
| G110o     | MSI_1773 |

## Local Photo Values

|        |        |
|--------|--------|
|        |        |
| LPH-01 | AI_256 |
| LPH-02 | AI_257 |
| LPH-03 | AI_258 |
| LPH-04 | AI_259 |
| LPH-05 | AI_260 |
| LPH-06 | AI_261 |
| LPH-07 | AI_262 |
| LPH-08 | AI_263 |
| LPH-09 | AI_264 |
| LPH-10 | AI_265 |
| LPH-11 | AI_266 |
| LPH-12 | AI_267 |
| LPH-13 | AI_268 |
| LPH-14 | AI_269 |
| LPH-15 | AI_270 |
| LPH-16 | AI_271 |
| LPH-17 | AI_272 |
| LPH-18 | AI_273 |
| LPH-19 | AI_274 |
| LPH-20 | AI_275 |
| LPH-21 | AI_276 |
| LPH-22 | AI_277 |

| Dialog ID | BACnet |
|-----------|--------|
| LPH-23    | AI_278 |
| LPH-24    | AI_279 |
| LPH-25    | AI_280 |
| LPH-26    | AI_281 |
| LPH-27    | AI_282 |
| LPH-28    | AI_283 |
| LPH-29    | AI_284 |
| LPH-30    | AI_285 |
| LPH-31    | AI_286 |
| LPH-32    | AI_287 |
| LPH-33    | AI_288 |
| LPH-34    | AI_289 |
| LPH-35    | AI_290 |
| LPH-36    | AI_291 |
| LPH-37    | AI_292 |
| LPH-38    | AI_293 |
| LPH-39    | AI_294 |
| LPH-40    | AI_295 |
| LPH-41    | AI_296 |
| LPH-42    | AI_297 |
| LPH-43    | AI_298 |
| LPH-44    | AI_299 |

**Analog Input – READ ONLY**  
**Values 0-65535 Lux**

| Dialog ID | BACnet |
|-----------|--------|
| LPH-45    | AI_300 |
| LPH-46    | AI_301 |
| LPH-47    | AI_302 |
| LPH-48    | AI_303 |
| LPH-49    | AI_304 |
| LPH-50    | AI_305 |
| LPH-51    | AI_306 |
| LPH-52    | AI_307 |
| LPH-53    | AI_308 |
| LPH-54    | AI_309 |
| LPH-55    | AI_310 |
| LPH-56    | AI_311 |
| LPH-57    | AI_312 |
| LPH-58    | AI_313 |
| LPH-59    | AI_314 |
| LPH-60    | AI_315 |
| LPH-61    | AI_316 |
| LPH-62    | AI_317 |
| LPH-63    | AI_318 |
| LPH-64    | AI_319 |

| Dialog ID | BACnet |
|-----------|--------|
| GPH-01    | AI_320 |
| GPH-02    | AI_321 |
| GPH-03    | AI_322 |
| GPH-04    | AI_323 |
| GPH-05    | AI_324 |
| GPH-06    | AI_325 |
| GPH-07    | AI_326 |
| GPH-08    | AI_327 |
| GPH-09    | AI_328 |
| GPH-10    | AI_329 |
| GPH-11    | AI_330 |
| GPH-12    | AI_331 |
| GPH-13    | AI_332 |
| GPH-14    | AI_333 |
| GPH-15    | AI_334 |
| GPH-16    | AI_335 |
| GPH-17    | AI_336 |
| GPH-18    | AI_337 |
| GPH-19    | AI_338 |
| GPH-20    | AI_339 |
| GPH-21    | AI_340 |
| GPH-22    | AI_341 |

| Dialog ID | BACnet |
|-----------|--------|
| GPH-23    | AI_342 |
| GPH-24    | AI_343 |
| GPH-25    | AI_344 |
| GPH-26    | AI_345 |
| GPH-27    | AI_346 |
| GPH-28    | AI_347 |
| GPH-29    | AI_348 |
| GPH-30    | AI_349 |
| GPH-31    | AI_350 |
| GPH-32    | AI_351 |
| GPH-33    | AI_352 |
| GPH-34    | AI_353 |
| GPH-35    | AI_354 |
| GPH-36    | AI_355 |
| GPH-37    | AI_356 |
| GPH-38    | AI_357 |
| GPH-39    | AI_358 |
| GPH-40    | AI_359 |
| GPH-41    | AI_360 |
| GPH-42    | AI_361 |
| GPH-43    | AI_362 |
| GPH-44    | AI_363 |

| <b>Dialog ID</b> | <b>BACnet</b> |
|------------------|---------------|
| GPH-45           | AI_364        |
| GPH-46           | AI_365        |
| GPH-47           | AI_366        |
| GPH-48           | AI_367        |
| GPH-49           | AI_368        |
| GPH-50           | AI_369        |
| GPH-51           | AI_370        |
| GPH-52           | AI_371        |
| GPH-53           | AI_372        |
| GPH-54           | AI_373        |
| GPH-55           | AI_374        |
| GPH-56           | AI_375        |
| GPH-57           | AI_376        |
| GPH-58           | AI_377        |
| GPH-59           | AI_378        |
| GPH-60           | AI_379        |
| GPH-61           | AI_380        |
| GPH-62           | AI_381        |
| GPH-63           | AI_382        |
| GPH-64           | AI_383        |

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Documents / Resources

|                                                                                   |                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><a href="#">universal douglas WLC-4150 Dialog Lighting Control Unit</a> [pdf] User Manual</p> <p>WLC-4150 Dialog Lighting Control Unit, WLC-4150, Dialog Lighting Control Unit, Lighting Control Unit</p> |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

References

-  [Universal Douglas](#)