M2M Dealers MiNi-LTE-M-AV Cellular Communicator with Dial Capture Interface Instruction Manual

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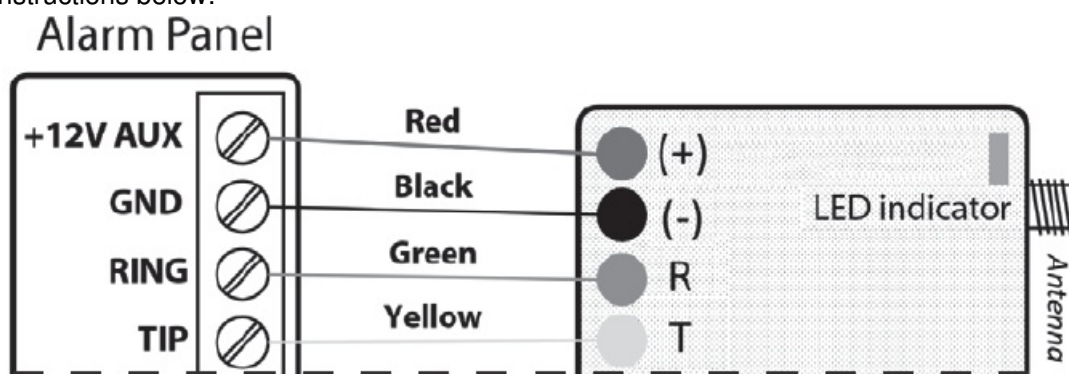**M2M Dealers MiNi-LTE-M-AV Cellular Communicator with Dial Capture Interface**

Product Information

The MiNi-LTE-M-AV is a cellular communicator designed to provide remote monitoring and control of alarm systems. It facilitates remote arming/disarming via a keyswitch and supports interactive features when integrated with compatible alarm panels. The device comes with a quick installation manual and requires 12-15V DC power supply to operate. It supports PSTN dialing, DTMF mode (tone dialing), and Contact ID or SIA communication formats. The device can be registered in the M2M Dealer Portal for remote management and monitoring.

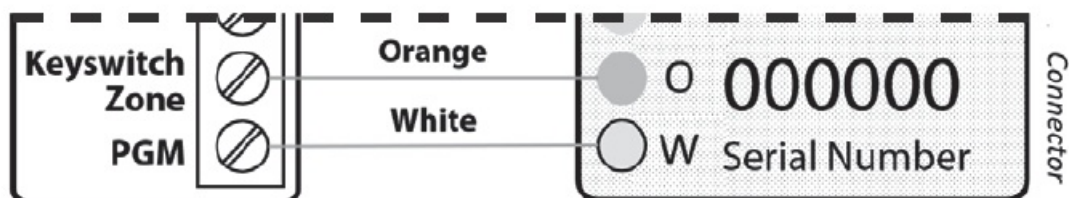## Wiring the Communicator to the Alarm Panel

Before wiring the communicator to the alarm panel, ensure that both devices are disconnected from the powerline. Follow the instructions below:
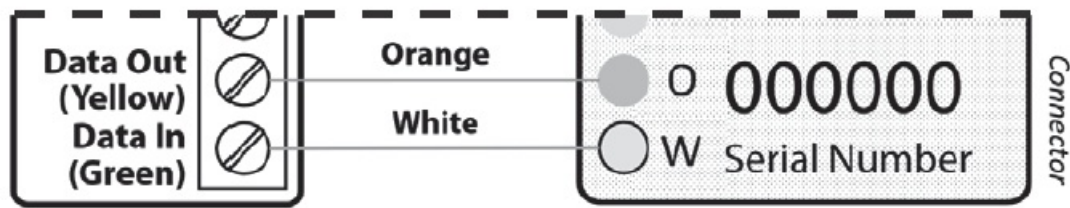

- Connect the Red(+) wire to the 12-15V DC power supply.
- Connect the Black(-) wire to the ground.
- Connect the Green(R) wire to the Ring.
- Connect the Yellow(T) wire to the Tip.

Keyswitch Wiring*

- **Orange (O):** to Keyswitch zone
- **White (W):** to Armed status output

Keybus Wiring*

- **Orange (O):** to Yellow (Data Out)
- **White (W):** to Green (Data In)

Note: The Keybus wiring is optional and should only be done if interactive features will be used. Refer to the panel compatibility list for Keybus integration at **support.m2mservices.com**.

- **WARNING:** The wiring should be done only when the panel and the communicator are disconnected from the powerline!
- Connect the RING and TIP of the alarm panel to the RING and TIP of the unit.
- **WARNING:** PRIMARY USE ONLY – NOT TO BE USED WITH LANDLINE!
- Having a phone line connected will damage the unit!
- Connect the antenna and place it outside of the alarm panel's box.
- Connect + and – of the communicator to a max of 12V – 15V DC power supply.
- **WARNING:** THE USB PORT TO BE USED WITH M2M ADD-ON MODULES ONLY.

Find configuration guides for popular panels at **support.m2mservices.com**.

LED Indicator

- **Slow flashing –** trying to establish a connection.
- **Constantly On –** connection established at good signal level.
- **Constantly On, blinking every 5 sec. –** connection established at low signal level.
- **Fast flashing –** transferring data.

Configuring the alarm panel

Refer to the panel's installation manual to configure the following options:

- Enable the PSTN dialer of the panel.
- Select DTMF mode (Tone Dialing).
- Select Contact ID Full communication format or SIA.
- Enter a telephone number for dialing (you can use any number, e.g. 9999999).
- Enter a 4-digit account number in the panel.

Troubleshooting the DTMF communication

If you have issues receiving the events, try the following additional settings of the panel:

- Disable "Telephone line monitoring".
- Disable "Wait for dial tone" option.
- Use "A" instead of "0" in the account number.
- If there is more than one partition, enter an account number for each partition.

For certain panels, you might need also to specify an account number for the main partition 0 (sometimes referred as system number).

Device Registration in the M2M Dealer Portal

Register your company at **www.m2mdealers.com** or use your existing account to login.

Adding preferred monitoring station
Contact your monitoring station and request your M2M Dealer Code.

- Specify your preferred monitoring station during your initial registration in section "Additional Information" >
  "Preferred Monitoring Station" list. Provide your Dealer code in the corresponding field, OR
- Add preferred monitoring station/s after registration from My Devices > Monitoring Stations > Add CMS

Add a new device and choose cellular service monthly billing method:
Use the device Serial Number and the Config Key provided with this manual.

- Go to My Devices > Devices > Add New Device.
- Select monitoring station (optional)
- Select preferred cellular service monthly billing method.
- From Monitoring Station – You will be billed for cellular service by the monitoring station.
- From M2M Services – You will be billed for cellular service by M2M Services.

RControl App (end user) Credentials

Download the RControl mobile application on your Android or iOS device by scanning the QR codes.

Remote Arming/Disarming via Keyswitch (Optional)

- Configure a zone as a momentary keyswitch (refer to the panel's installation manual).

- Configure a PGM output of the panel to activate (switch to ground), when the panel is armed, and to deactivate, when disarmed (refer to the panel's installation manual).
- Wire the device to the panel according to the Keyswitch wiring diagram.
- For panels that don't have a status PGM, the status can be received through the OPEN/CLOSE reporting.

Guidelines for configuring the keyswitch and the output for popular panels are available at **support.m2mservices.com**.

Initial pairing procedure for Remote Arming/Disarming via Keyswitch:

- Enable Open/Close reporting (at least during the initial pairing procedure).
- Log in to the RControl App and press Sync with Panel
- Ask the end user to enter a Remote PIN code of his/her choice.
- Disarm (or Arm) from the keypad within 2 minutes to complete the pairing.

Remote Arming/Disarming via Keybus for supported Honeywell and DSC Alarm Panels (Optional)
Panel compatibility list for Keybus integration is available at **support.m2mservices.com**.
Wire the device to the panel according to the Keybus wiring diagram.

For Honeywell panels ONLY: Program an alpha keypad address on the panel for each partition in use, starting from address 21 to 28 (21 for partition 1, 22 for partition 2, etc.).
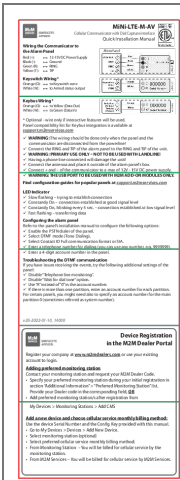The addresses should be reserved for M2M communicator use only.

- Power OFF and power ON the communicator, wait for ~20 sec., and enter and exit programming mode on the panel to initiate synchronization with the panel.
- DO NOT operate on the keypad during the sync process.
- Log in to the RControl App, press Sync with Panel, and follow the instructions in the App.
  NOTE: If panel programming is changed after the initial synchronization you need to:
- Go to RControl App Settings >> Remote Arming/Disarming >> Press Sync and follow the instructions in the App
- DO NOT operate on the keypad during the sync process.

IMPORTANT NOTE:
Do not power the device before registering it in the M2M Dealers Portal because the cellular service will be deactivated.
Serial Number and Config Key:

Documents / Resources

M2M Dealers MiNi-LTE-M-AV Cellular Communicator with Dial Capture Interface [pdf] Instruction Manual

MiNi-LTE-M-AV Cellular Communicator with Dial Capture Interface, MiNi-LTE-M-AV, Cellular Communicator with Dial Capture Interface, Communicator with Dial Capture Interface, Dial Capture Interface, Capture Interface

References

- **Panel Programming**
- **M2M Dealers. Login**