

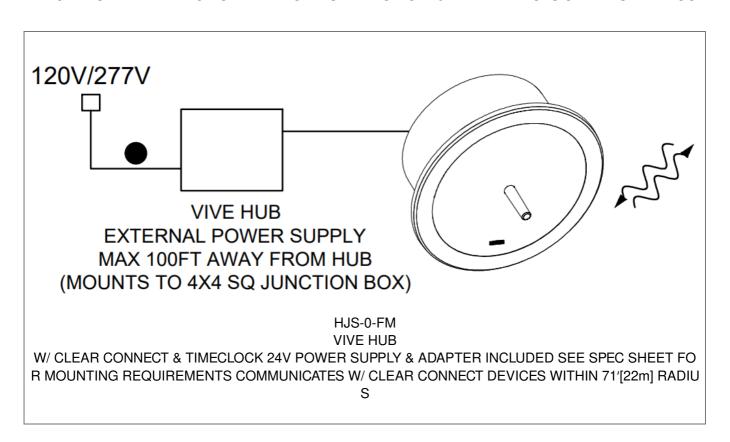
LUTRON HJS-0-FM VIVE Networking Wireless HUB User Guide

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LUTRON HJS-0-FM VIVE Networking Wireless HUB



TYPICAL HUB – AS REQUIRED FLUSH MOUNT AND SURFACE MOUNT OPTIONS AVAILABLE BACNET INTEGRATION AVAILABLE ON CERTAIN MODELS MINIMUM OF 10' BETWEEN HUBS ON THE SAME FLOOR



TYPICAL SENSORS & REMOTE CONTROLS CAN BE A MAX OF 30' TO LOAD DEVICES – MAX OF 71' FROM VIVE HUB AND LOCATED ON THE SAME FLOOR

TYPICAL LOAD DEVICES CAN BE A MAX OF 71' FROM VIVE HUB AND LOCATED ON SAME FLOOR

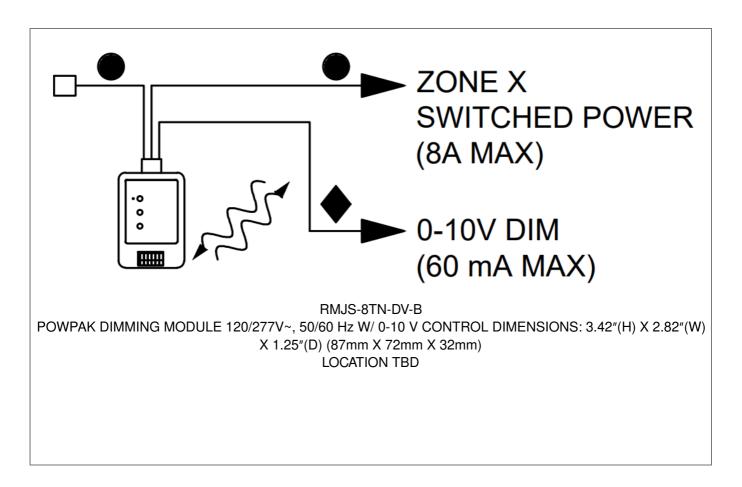
TYPICAL WALLBOX LOAD CONTROLS CAN BE A MAX OF 71' FROM VIVE HUB AND LOCATED ON SAME FLOOR

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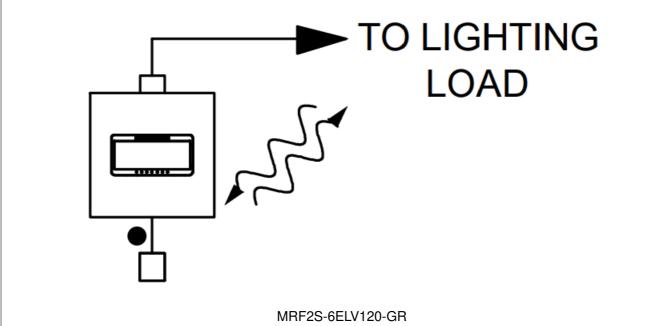
- **1 FRONT OF HOUSE RETAIL AREA**
- **2 BREAK ROOM**
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FRONT OF HOUSE RETAIL AREA

AS REQUIRED FOR 0-10V DIMMING ZONE CONTROL



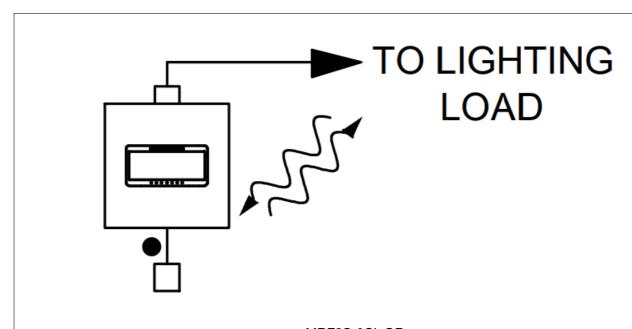
AS REQUIRED FOR ELV ZONE CONTROL ***DEVICE TO BE MOUNTED IN CEILING***



MAESTRO WIRELESS MULTI-LOCATION/SINGLE-POLE DIGITAL FADE DIMMER 120V, 600W ELECTRONIC LOW-VOLTAGE PLENUM RATED (MOUNTS TO 2 GANG JBOX BY OTHERS)

LOCATION TBD

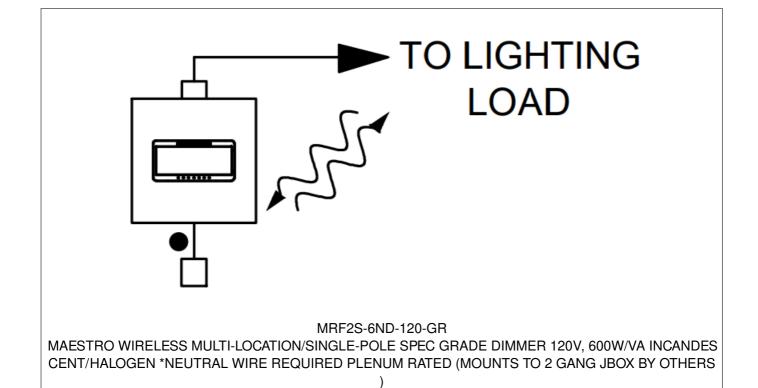
AS REQUIRED FOR LED/INC ZONE CONTROL ***DEVICE TO BE MOUNTED IN CEILING***



MRF2S-6CL-GR MAESTRO WIRELESS

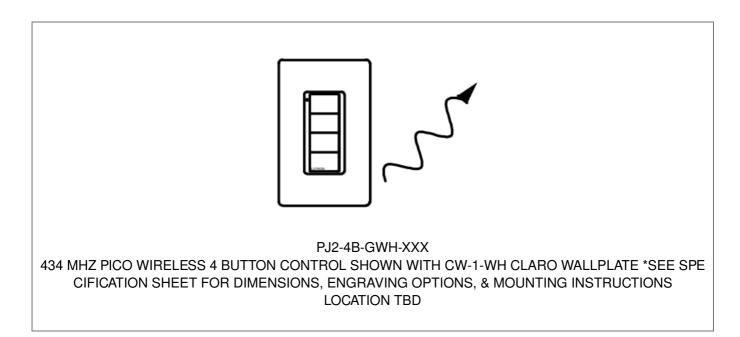
MULTI-LOCATION/SINGLE-POLE

CL DIMMER, 120V~ 150 W DIMMABLE CFL/LED/ 600W INCANDESCENT/HALOGEN PLENUM RATED (MO UNTS TO 2 GANG JBOX BY OTHERS) LOCATION TBD

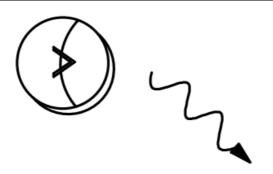


LOCATION TBD

AS REQUIRED FOR DIMMING SCENE CONTROL UP TO 10 PER MODULE



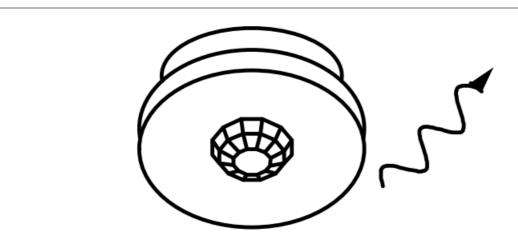
AS REQUIRED FOR SECOND FLOOR DAYLIGHT SENSING WHERE APPLICABLE MAX OF 1 PER MODULE



LRF2-DCRB-WH
434MHZ WIRELESS DAYLIGHT SENSOR 1.6"[40,6mm] (DIA) X 0.7"[17,8mm] (D) *DEVICE IS SURFACE-MO
UNTED AND BATTERY POWERED, DOES NOT REQUIRE POWER FEED
LOCATION TBD

BREAK ROOM

AS REQUIRED FOR VACANCY SENSING UP TO 10 PER MODULE



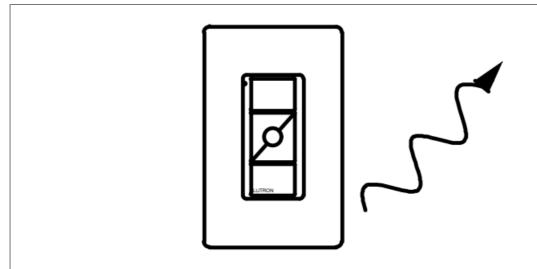
LRF2-VCR2B-P-WH

434MHZ WIRELESS VACANCY SENSOR 3.57"[90,7mm] (DIA) X 1.13"[28,7mm] (D) MAX 10 PER QSM *DEVI CE IS SURFACE-MOUNTED AND BATTERY POWERED, DOES NOT REQUIRE POWER FEED LOCATION TBD

(OPTION:WITH L-CRMK-WH RECESS MOUNT KIT FOR NON-METALLIC CEILINGS)

FOR USE WHEN DAYLIGHT SENSING IS REQUIRED

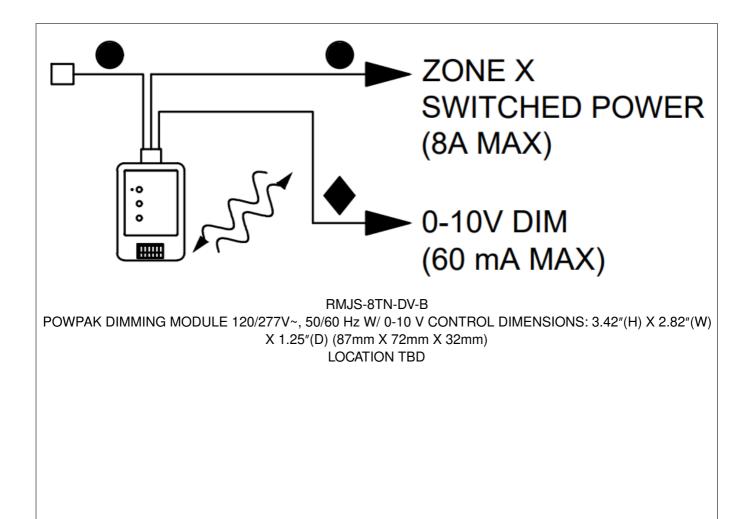
AS REQUIRED FOR DIMMING ZONE CONTROL TYPICAL OF 1 PER DIMMING ZONE

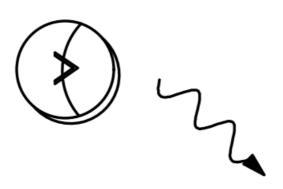


PJ2-3BRL-GWH-XXX

434 MHZ PICO WIRELESS, LIGHT 3 BUTTON CONTROL WITH RAISE/LOWER SHOWN WITH CW-1-WH CL ARO WALLPLATE *SEE SPECIFICATION SHEET FOR DIMENSIONS, ENGRAVING OPTIONS, & MOUNTING INSTRUCTIONS LOCATION TBD

AS REQUIRED FOR 0-10V DIMMING ZONE CONTROL

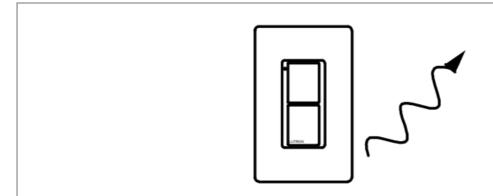




LRF2-DCRB-WH
434MHZ WIRELESS DAYLIGHT SENSOR 1.6"[40,6mm] (DIA) X 0.7"[17,8mm] (D) *DEVICE IS SURFACE-MO
UNTED AND BATTERY POWERED, DOES NOT REQUIRE POWER FEED
LOCATION TBD

OR

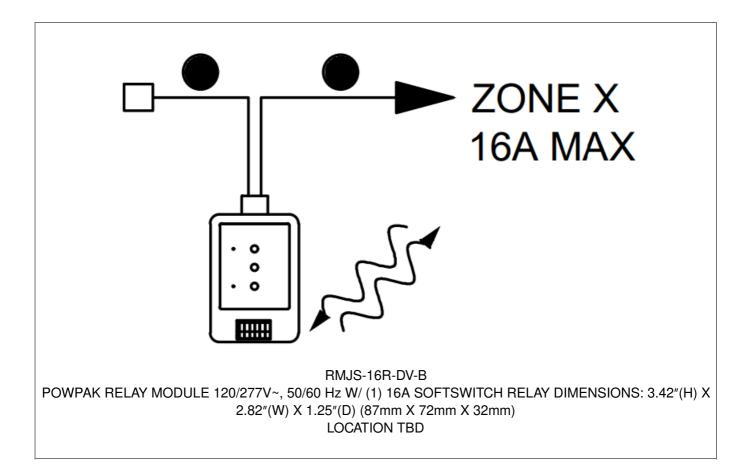
AS REQUIRED FOR NON-DIM ZONE CONTROL TYPICAL OF 1 PER NON-DIM ZONE



PJ2-2B-GWH-XXX

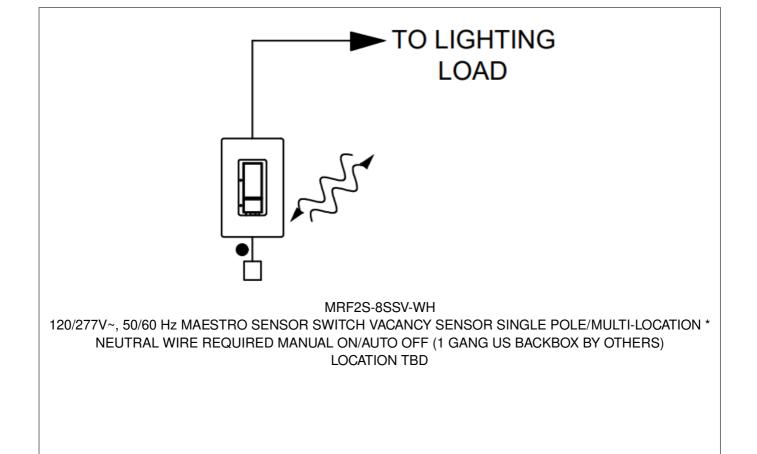
434 MHZ PICO WIRELESS 2 BUTTON CONTROL SHOWN WITH CW-1-WH CLARO WALLPLATE *SEE SPE CIFICATION SHEET FOR DIMENSIONS, ENGRAVING OPTIONS, & MOUNTING INSTRUCTIONS LOCATION TBD

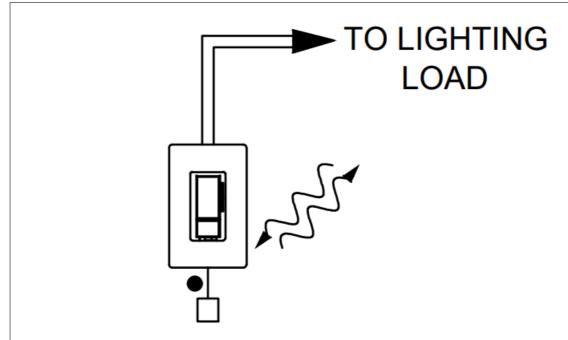
FOR USE WHEN DAYLIGHT SENSING IS NOT REQUIRED



STORAGE ROOMS

AS REQUIRED FOR NON-DIMMING ZONE CONTROL

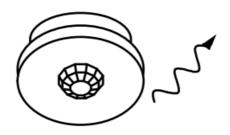




MRF2S-8SDV010-WH

120/277V~, 50/60 Hz MAESTRO SENSOR 0-10V DIMMER VACANCY SENSOR SINGLE POLE/MULTI-LOCAT ION *NEUTRAL WIRE REQUIRED MANUAL ON/AUTO OFF (1 GANG US BACKBOX BY OTHERS) LOCATION TBD

AS REQUIRED FOR ADDITIONAL VACANCY SENSING COVERAGE



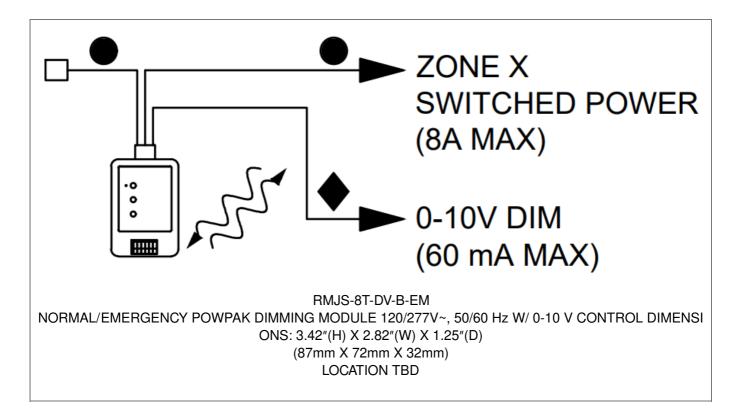
LRF2-VCR2B-P-WH

434MHZ WIRELESS VACANCY SENSOR 3.57"[90,7mm] (DIA) X 1.13"[28,7mm] (D) MAX 10 PER QSM *DEVI CE IS SURFACE-MOUNTED AND BATTERY POWERED, DOES NOT REQUIRE POWER FEED LOCATION TBD

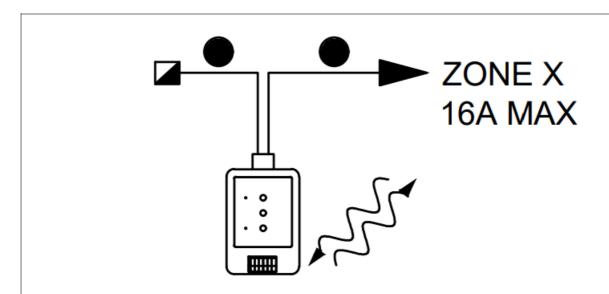
(OPTION:WITH L-CRMK-WH RECESS MOUNT KIT FOR NON-METALLIC CEILINGS)

TYPICAL EMERGENCY LIGHTING INTERFACES FOR USE WITH GENERATOR SYSTEMS

AS REQUIRED PER ZONE FOR CONTROL OF EMERGENCY 0-10V LOADS



AS REQUIRED PER ZONE FOR CONTROL OF EMERGENCY NON-DIM LOADS



RMJS-16R-DV-B-EM

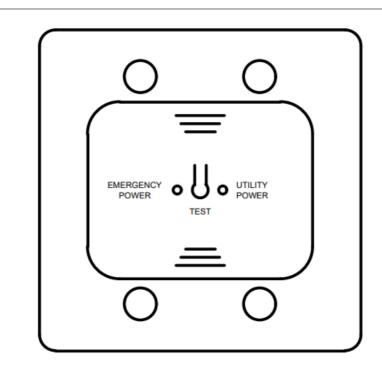
NORMAL/EMERGENCY POWPAK RELAY MODULE 120/277V~, 50/60 Hz W/ (1) 16A SOFTSWITCH RELAY DIMENSIONS: 3.42"(H) X 2.82"(W) X 1.25"(D) (87mm X 72mm X 32mm)

D RMJS-16R-DV-B-EM NORMAL/EMERGENCY POWPAK RELAY MODULE 120/277V~, 50/60 Hz W/ (1) 16A

SOFTSWITCH RELAY DIMENSIONS: 3.42"(H) X 2.82"(W) X 1.25"(D) (

TYPICAL EMERGENCY LIGHTING INTERFACES FOR USE WITH EITHER GENERATOR OR INVERTER SYSTEMS PROVIDED BY LVS CONTROLS – CONTACT YOUR LUTRON REPRESENTATIVE FOR MORE INFORMATION

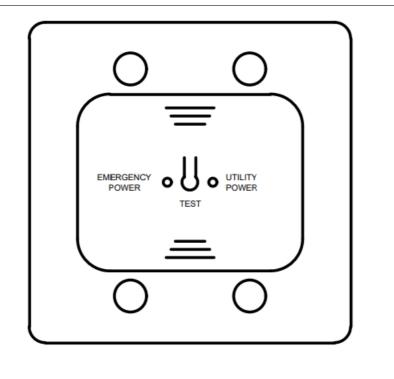
AS REQUIRED FOR UL 924 COMPLIANCE



LUT-SHUNT-D

LVS CONTROLS SHUNT RELAY FOR USE WITH 0-10V & ECOSYSTEM LOADS REFER TO APPLICATION N OTE #628 FOR DETAILED WIRING DIAGRAMS

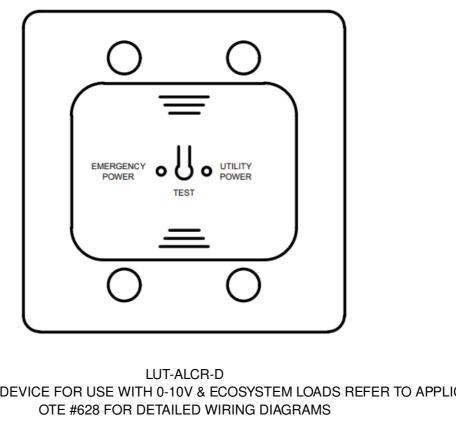
AS REQUIRED FOR UL 924 COMPLIANCE



LUT-SHUNT

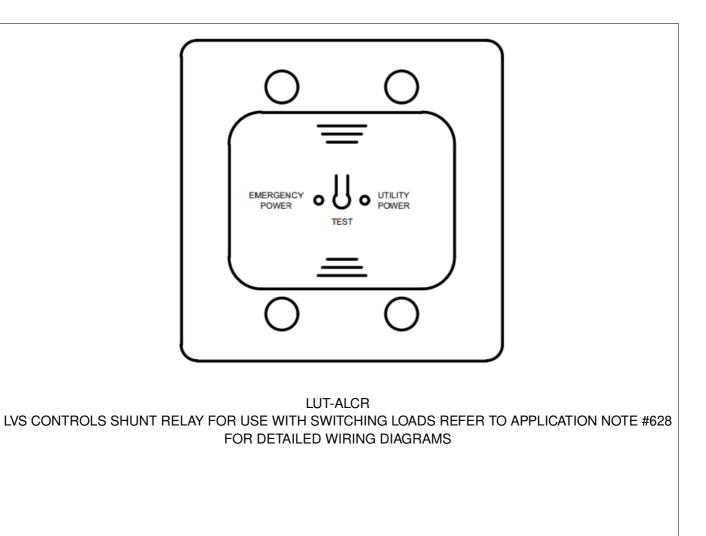
LVS CONTROLS SHUNT RELAY FOR USE WITH LINE VOLTAGE SWITCHING AND DIMMING LOADS REFE R TO APPLICATION NOTE #628 FOR DETAILED WIRING DIAGRAMS

AS REQUIRED FOR UL 924 COMPLIANCE

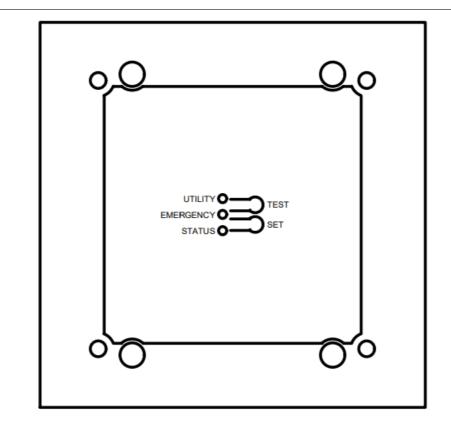


LVS CONTROLS ALCR DEVICE FOR USE WITH 0-10V & ECOSYSTEM LOADS REFER TO APPLICATION N

AS REQUIRED FOR UL 924 COMPLIANCE



AS REQUIRED FOR UL 1008 COMPLIANCE



LUT-ATS-D
LVS CONTROLS TRANSFER SWITCH FOR USE WITH LINE VOLTAGE DIMMING LOADS REFER TO APPLIC
ATION NOTE #628 FOR DETAILED WIRING DIAGRAMS

WIRING LEGEND:

	INPUT POWER (NORMAL-EMERGENCY)
	INPUT POWER (NORMAL)
	2 #12AWG (4 mm ²)
	0-10V SIGNAL: 2 #18AWG (1.0 mm ²)
*7	1-WAY RF COMMUNICATION
W.	2-WAY RF COMMUNICATION

CONCEPT DRAWING NOTES:

CONTROL SYSTEM DRAWING IS PROVIDED FOR CONCEPTUAL PURPOSES ONLY AND IS NOT INTEND ED FOR CONSTRUCTION. EXACT EQUIPMENT REQUIREMENTS, INCLUDING LOCATIONS AND QUANTIT IES, SHOULD BE VERIFIED IN ACCORDANCE WITH THE MOST UP-TO-DATE LIGHTING/ELECTRICAL REF LECTED CEILING PLANS, LIGHTING FIXTURE SCHEDULES, PANEL SCHEDULES, CONTROL INTENT AN D SPECIFICATIONS. SHADE EQUIPMENT SHOULD BE VERIFIED IN ACCORDANCE WITH ARCHITECTUR AL PLANS, SPECIFICATIONS AND WINDOW SCHEDULES/DETAILS.

LED DIMMING REQUIRES AN EXACT MATCH BETWEEN THE LED ARRAY, DRIVER AND CONTROL. LUTR ON CANNOT GUARANTEE COMPATIBILITY OR PERFORMANCE WITHOUT TESTING THIS COMBINATION

TO CONFIRM WHAT PRODUCTS LUTRON HAS AVAILABLE OR WHAT INTERFACES MAY BE REQUIRED, CALL 1-877-DIM-LED8 OR CHECK LUTRON'S PRODUCT COMPATIBILITY MATRIX ON-LINE AT WWW.LUT RON.COM/LED.

TO REQUEST THE TESTING OF AN LED PRODUCT BY LUTRON MANUFACTURERS CAN FILL OUT AN LE D EVALUATION REQUEST FORM ON-LINE AT <u>WWW.LUTRON.COM/LED</u> OR CONTACT <u>LEDS@LUTRON.COM</u>.

LUTRON CAN GUARANTEE COMPATIBILITY AND PERFORMANCE OF LUTRON HI-LUME LED DRIVERS U SED WITH APPROPRIATE LUTRON CONTROLS. PLEASE REFER TO THE SPECIFICATION SUBMITTAL SH EET FOR FURTHER INFORMATION.

IF USING UNTESTED, NON-LUTRON LED DRIVERS REQUIRING 0-10V CONTROL, PERFORMANCE AND COMPATIBILITY CANNOT BE GUARANTEED BY LUTRON. PRODUCTS FOLLOWING THE IEC STANDARD 6 0929 ARE MORE LIKELY TO PROVIDE ACCEPTABLE PERFORMANCE RESULTS. DETERMINATION OF RE SULT ACCEPTABILITY IS UP TO THE USER'S DISCRETION.

IF USING UNTESTED, NON-LUTRON LED DRIVERS REQUIRING PHASE CONTROL, PERFORMANCE AN D COMPATIBILITY CANNOT BE GUARANTEED BY LUTRON. ELV PRODUCTS PROVIDING HIGH END AND LOW END TRIM ADJUSTMENTS OR LUTRON HI-LUME 1% 2-WIRE DRIVERS ARE MORE LIKELY TO PROVIDE ACCEPTABLE PERFORMANCE RESULTS. DETERMINATION OF RESULT ACCEPTABILITY IS UP TO THE USER'S DISCRETION.

LUTRON NOTES:

ALL DIMMING BALLASTS TO BE LUTRON ECOSYSTEM, ECOSYSTEM H-SERIES, OR HI-LUME 3D TYPE UNLESS OTHERWISE NOTED.

ALL DIMMING DRIVERS TO BE LUTRON ECOSYSTEM DRIVERS: HI-LUME 1%; HI-LUME 1% WITH SOFT-ON, FADE-TO-BLACK; 5-SERIES; OR HI-LUME PREMIER 0.1% UNLESS OTHERWISE NOTED.

E.E. TO CONFIRM ALL CIRCUITING REQUIREMENTS.

ARCHITECT TO VERIFY QUANTITY, LOCATION & FINISH OF ALL CONTROLS.

LUTRON FIELD SERVICE COMMISSIONING INCLUDED IN ALL SYSTEMS INITIATES AN 2 YEAR LIMITED WARRANTY. THE ELECTRICAL CONTRACTOR MUST CONTACT LUTRON (1-844-588-7661) TO SET UP VISIT WITH 10 DAYS NOTICE.

LUTRON SERVICES

ONSITE PROGRAM MING – 4 HOUR BL OCK (LSC-OS-PRO G4–SP)	ONSITE SYSTEM PROGRAMMING VISIT – UP TO 4 CONTIGUOUS HOURS OF SYSTEM PROGRAMMING DELIVERED BY A LUTRON S ERVICES REPRESENTATIVE . THE SYSTEM WILL BE PROGRAMME D PER AN APPROVED SEQUENCE OF OPERATION. QUANTITY DIC TATES THE NUMBER OF 4-HOURVISITS PURCHASED.			
REMOTE PROGRA MMING – 4 HOUR B LOCK (LSC–RMT-P ROG4-SP)	REMOTE SYSTEM PROGRAMMING VISIT – UP TO 4 CONTIGUOUS HOURS OF SYSTEM PROGRAMMING DELIVERED BY A DEDICATE D FACTORY CERTIFIED REMOTE TECHNICIAN EITHER VIA A REM OTE NETWORK CONNECTION OR WITH THE ASSISTANCE OF AN ELECTRICAL CONTRACTOR OVER THE PHONE. THE SYSTEM WILL BE PROGRAMMED PER AN APPROVED SEQUENCE OF OPERATION. QUANTITY DICTATES THE NUMBER OF 4-HOUR SESSIONS P URCHASED.			
ONSITE SCENE & L EVEL TUNING (LSC -AF-VISIT)	AN ONSITE VISIT WITH THE SPECIFIER OR CUSTOMER REPRESE NTATIVE TO REVIEW DESIGN INTENT, FINE-TUNE SCENE LEVEL PROGRAMMING, AND TIMECLOCK ADJUSTMENTS.			
ONSITE PERFORM ANCE VERIFICATIO N WALKTHROUGH (LSC-WALK)	ONSITE WALKTHROUGH WITH FACILITY REPRESENTATIVES OR PROJECT COMMISSIONING AGENTS TO DEMONSTRATE THAT THE SYSTEM FUNCTIONALITY MEETS THE DESIGN INTENT. THIS MAY INCLUDE ANY OF THE FOLLOWING ONSITE ACTIVITIES — CONSULTATION TRAINING DEMOS, FUNCTIONAL TESTING ASSISTANCE, & INVENTORY OF LUTRON EQUIPMENT.			
POST-STARTUP SERVICES				
CUSTOMER-SITE SOLUTION TRAINI NG (LSC-TRAINING -SP)	A VISIT TO TEACH SYSTEM USERS HOW TO OPERATE AND MAIN TAIN THE LIGHTING CONTROL SYSTEM.			
SYSTEM OPTIMIZA TION (LSC-SYSOPT -SP)	ONSITE CONSULTATIVE VISIT TO IDENTIFY & IMPLEMENT LIGHTING CONTROL ADJUSTMENTS TO SAVE ADDITIONAL ENERGY & CREATE A MORE PRODUCTIVE WORK ENVIRONMENT.			
MAINTENANCE & SUPPORT SERVICES				

ONSITE PROGRA MING – 4 HOUR B OCK (LSC-OS-PR G4–SP)	HOURS OF SYSTEM PROGRAMMING DEUVERED BY A LUTRON S ERVICES REPRESENTATIVE THE SYSTEM WILL BE PROGRAMME			
REMOTE PROGR MMING – 4 HOUR LOCK (LSC–RMT- ROG4-SP)	B OTE NETWORK CONNECTION OR WITH THE ASSISTANCE OF AN			
ONSITE SCENE & LEVEL TUNING (L C-AF-VISIT)				
ONSITE PERFORI ANCE VERIFICAT N WALKTHROUG (LSC-WALK)	E SYSTEM FUNCTIONALITY MEETS THE DESIGN INTENT. THIS M			
POST-STARTUP SERVICES				
CUSTOMER-SITE OLUTION TRAINING G (LSC-TRAINING SP)	A VISIT TO TEACH SYSTEM USERS HOW TO OPERATE AND MAIN			
SYSTEM OPTIMIZ TION (LSC-SYSOF -SP)				
MAINTENANCE & SUPPORT SERVICES				

ENHANCED SILVER (LSC-ESS)	YEARS 1 & 2: 100% REPLACEMENT PARTS & 100% LUTRON DIAG NOSTIC LABOR COVERAGE WITH A FIRST-AVAILABLE RESPONS E TIME (SILVER PLAN); YEARS 3-5: 50% PARTS ONLY COVERAGE; YEARS 6-8: 25% PARTS ONLY COVERAGE.
ENHANCED GOLD (LSC-ESG)	YEARS 1-2: 100% REPLACEMENT PARTS & 100% LUTRON LABOR COVERAGE WITH A 72-HOUR RESPONSE TIME AND AN ANNUAL (1-DAY) SCHEDULED PREVENTATIVE MAINTENANCE VISIT (GOLD PLAN); YEARS 3-5: 50% PARTS ONLY COVERAGE; YEARS 6-8: 25% PARTS ONLY COVERAGE.
ENHANCED PLATI NUM (LSC-ESP)	YEARS 1-2: 100% REPLACEMENT PARTS & 100% LUTRON LABOR COVERAGE WITH A 24-HOUR RESPONSE TIME AND AN ANNUAL (1-DAY) SCHEDULED PREVENTATIVE MAINTENANCE VISIT (GOLD PLAN); YEARS 3-5: 50% PARTS ONLY COVERA E; YEARS 6-8: 25% PARTS ONLY COVERAGE.
SILVER TECHNOLO GY SUPPORT PLA N (LSC-SILV-IW)	AN ANNUAL SERVICE PLAN THAT COVERS 100% REPLACEMENT PARTS AND 100% LUTRON DIAGNOSTIC LABOR WITH A FIRST-AV AILABLE ONSITE OR REMOTE RESPONSE TIME.
GOLD TECHNOLO GY SUPPORT PLA N (LSC-GOLD-IW)	AN ANNUAL SERVICE PLAN THAT COVERS 100% REPLACEMENT PARTS AND 100% LUTRON LABOR WITH A 72-HOUR ONSITE OR REMOTE RESPONSE TIME. ALSO INCLUDES AN ANNUAL (1-DAY) SCHEDULED PREVENTATIVE MAINTENANCE VISIT EACH YEAR.
PLATINUM TECHN OLOGY SUPPORT PLAN (LSC-PLAT-I W)	AN ANNUAL SERVICE PLAN THAT COVERS 100% REPLACEMENT PARTS AND 100% LUTRON DIAGNOSTIC LABOR WITH A 24-HOUR ONSITE OR REMOTE RESPONSE TIME. ALSO INCLUDES AN ANN UAL (1-DAY) SCHEDULED PREVENTATIVE MAINTENANCE VISIT E ACH YEAR.
PREVENTIVE MAIN TENANCE VISIT(S) (LSC-SCH- AINT)	YEARLY SCHEDULED MAINTENANCE VISIT TO PERFORM PREVE NTIVE MAINTENANCE, MINOR PROGRAMMING, AND CONDUCT S YSTEM TRAININGS. QUANTITY IS IN ADDITION TO ANY YEARLY VI SITS SPECIFIED WITH AN ENHANCED WARRANTY OR TECHNOL OGY SUPPORT PLAN.

ON-SITE BATTERY REP LACEMENT S E RVICE (LSC-BAT T-RPL -SP) SCHEDULED MAINTENANCE FOR BATTERY OPERATED SENSOR S & KEYPADS DURING WHICH ALL BATTERIES ARE REMOVED, R ECYCLED & REPLACED. THIS IS A SINGLE USE SERVICE OCCUR RING 7-8 YEARS AFTER SYSTEM STARTUP IS COMPLETE TO COI NCIDE WITH APPROX. 20% -30% OF BATTERY LIFE REMAINING (A SSUMING AVERAGE USE). THIS SERVICE DOES NOT COVER INT ERMITTENT BATTERY FAILURE PRIOR TO THE SCHEDULED REPLACEMENT. THIS SERVICE APPLIES TO ALL BATTERY-OPERATED S ENSORS & KEYPADS PURCHASED IN THE SAME BILL OF MATERI AL AS THE SERVICE.

PLEASE GO TO <u>WWW.LUTRON.COM/SERVICESFOR</u> FURTHER INFORMATION.

TYPICAL RETAIL NYCECC 2020 IECC 2018 PATH NEW YORK, NY

CONCEPT DRAWING NOT FOR CONSTRUCTION

Project Number:	TBD
Drawn By:	ER/TMS/CR
Drawing Revision:	2
Drawing Date:	05.11.2022
Sheet:	1 OF 1

Lutron Electronics Co., Inc. 7200 Suter Road | Coopersburg, PA 18036 | USA (610) 282-3800 | fax: (610) 282-1146



Documents / Resources

LUTRON HJS-0-FM VIVE Networking Wireless HUB [pdf] User Guide HJS-0-FM VIVE Networking Wireless HUB, HJS-0-FM, HJS-0-FM HUB, VIVE Networking Wireless HUB, Networking HUB, Wireless HUB, VIVE HUB, HUB
LUTRON HJS-0-FM VIVE Networking Wireless HUB [pdf] User Guide HJS-0-FM VIVE Networking Wireless HUB, HJS-0-FM, HJS-0-FM HUB, VIVE Networking Wireless HUB, Networking Wireless HUB, Wireless HUB, Wireless HUB, HUB
LUTRON HJS-0-FM VIVE Networking Wireless HUB [pdf] User Guide HJS-0-FM VIVE Networking Wireless HUB, HJS-0-FM, HJS-0-FM HUB, VIVE Networking Wireless HUB, Networking Wireless HUB, Wireless HUB, Wireless HUB, HUB

References

• <u>LED Control Center of Excellence</u>

Manuals+,