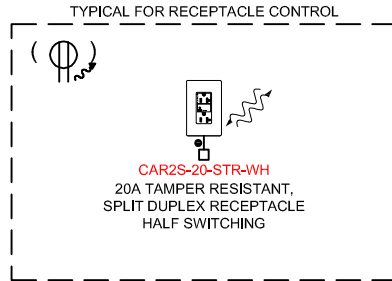
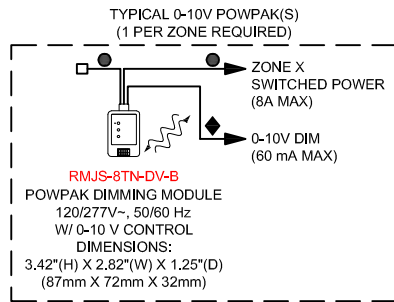


TYPICAL CLASSROOM - 0-10V DIMMING

TITLE 24

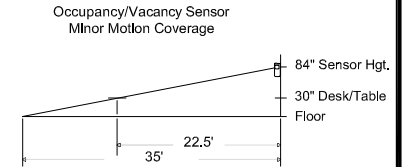
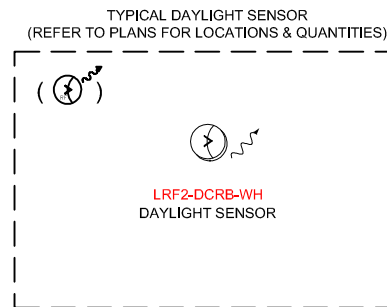
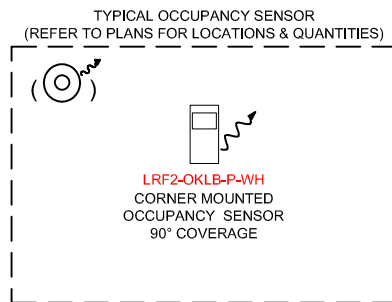
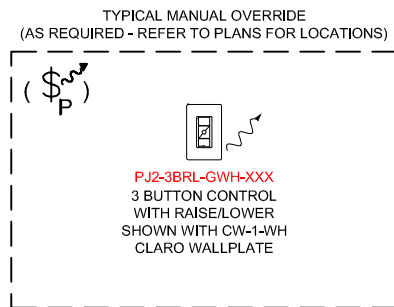


WIRING LEGEND:

- INPUT POWER (NORMAL)
- 2 #12AWG (4 mm²)
- ◆ 0-10V SIGNAL: 2 #18AWG (1.0 mm²)
- ~ 1-WAY RF COMMUNICATION
- ~ 2-WAY RF COMMUNICATION

SYMBOL LEGEND:

- ⊙ WIRELESS DAYLIGHT SENSOR
- ⊙ WIRELESS OCCUPANCY SENSOR
- ⊙ WIRELESS RECEPTACLE
- ⊙ WIRELESS ZONE KEYPAD



SENSOR COVERAGE - N.T.S.
TYPICAL OFFICE FURNITURE HEIGHTS

SEQUENCE OF OPERATIONS:

- OCCUPANT ENTERS:**
- ALL LIGHTS AUTOMATICALLY TURN ON TO 50% LIGHT LEVEL. OCCUPANT TURNS ON LIGHTS TO MAXIMUM LEVEL MANUALLY. MAXIMUM LIGHT LEVEL IS SET TO 80%.
 - CONTROLLED RECEPTACLES AUTOMATICALLY REGAIN POWER WHEN OCCUPANT ENTERS.
- WHEN OCCUPIED:**
- AUTOMATIC: OVERHEAD LIGHTS DIM/BRIGHTEN BASED ON DAYLIGHT AVAILABILITY.
 - MANUAL: OCCUPANT USES WALL DIMMER TO SET DESIRED LIGHT LEVELS FOR ALL LIGHTS.
- OCCUPANT EXITS:**
- ALL LIGHTS AUTOMATICALLY TURN OFF 15 MINUTES AFTER ALL OCCUPANTS EXIT.
 - 50% OF ALL RECEPTACLES AUTOMATICALLY TURN OFF 15 MINUTES AFTER ALL OCCUPANTS EXIT.
- SYSTEM EVENTS:**
- DEMAND RESPONSE: ALL LIGHTS AUTOMATICALLY DIM 20% DURING DEMAND EVENTS.
 - VIVE HUB (HJS-0-FM) REQUIRED FOR DEMAND RESPONSE.

CODE NOTES: FOR NON-DAYLIT CLASSROOMS, ALL GENERAL LIGHTING CAN BE CONNECTED TO A SINGLE 0-10 V DIMMING MODULE.

SPEC:

- WIRELESS NETWORK:**
- RF FREQUENCY: 434 MHZ; OPERATE IN FCC GOVERNED FREQUENCY SPECTRUM FOR PERIODIC OPERATION; CONTINUOUS TRANSMISSION SPECTRUM IS NOT PERMITTED.
 - WIRELESS SENSORS, WIRELESS KEYPADS AND WIRELESS LOAD CONTROL DEVICES DO NOT OPERATE IN THE NOISY 2.4 GHZ FREQUENCY BAND WHERE HIGH POTENTIAL FOR RF INTERFERENCE EXISTS.
 - LOCAL ROOM DEVICES COMMUNICATE DIRECTLY WITH EACH OTHER (AND NOT THROUGH A CENTRAL HUB OR PROCESSOR) TO ENSURE:
 - RELIABILITY OF SYSTEM PERFORMANCE.
 - FAST RESPONSE TIME TO EVENTS IN THE SPACE (E.G. BUTTON PRESSES OR SENSOR SIGNALS).
 - INDEPENDENT OPERATION IN THE EVENT OF THE WIRELESS HUB BEING REMOVED OR DAMAGED.
- RECEPTACLES**
- COMMUNICATES VIA RADIO FREQUENCY WITH UP TO TEN COMPATIBLE OCCUPANCY/VACANCY SENSORS AND TEN WIRELESS KEYPADS.
 - RELAY:
 - LOAD SWITCHED IN MANNER THAT PREVENTS ARCING AT MECHANICAL CONTACTS WHEN POWER IS APPLIED TO AND REMOVED FROM LOAD CIRCUITS.
 - RATED FOR SWITCHING OF GENERAL PURPOSE LOADS.
 - MOTOR RATING OF 0.5 HP AT 120 V FOR 15 A RECEPTACLES, AND 1 HP AT 120 V FOR 20 A RECEPTACLES.
- WIRELESS KEYPADS**
- DOES NOT REQUIRE EXTERNAL POWER PACKS, POWER OR COMMUNICATION WIRING.
 - ALLOWS FOR EASY REPROGRAMMING WITHOUT REPLACING UNIT.
 - INCLUDES LED TO INDICATE BUTTON PRESS OR PROGRAMMING MODE STATUS.
 - MOUNTING:
 - CAPABLE OF BEING MOUNTED WITH A TABLE STAND OR DIRECTLY TO A WALL UNDER A FACEPLATE, BACKBOX OPTIONAL.
 - 10 YEAR BATTERY LIFE

VIVE STANDALONE CLASSROOM

LOCATION TBD

CONCEPT DRAWING NOT FOR CONSTRUCTION

Project Number: N/A

Drawn By: RT

Drawing Revision: 6

Drawing Date:

Sheet: 1 OF 1



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