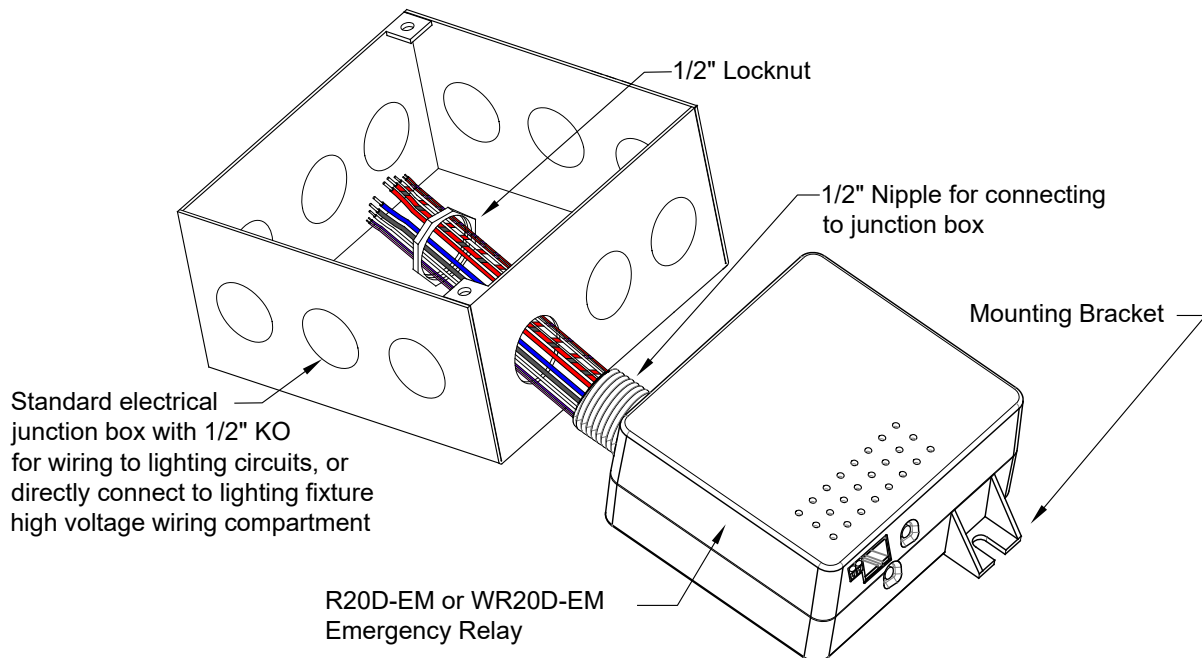


# LightLEEDer R20D-EM and WR20D-EM Emergency Relay Installation Details



## Installing the R20D-EM or WR20D-EM Relay:

- Mount the relay in an easy to access location, typically at the power junction box feeding the first light fixture to be controlled, or directly into the fixture line voltage wiring compartment.
- This Emergency relay should be installed where it can be frequently tested for EM operation, refer to local code requirements for periodic testing.
- The Wireless EM Relay (WR20D-EM) should be mounted where the relays radio communication is not obstructed by metal enclosures or subject to equipment with high EMF noise.
- The WR20D-EM relay must be within 50 feet line of sight to the switch stations intended to control it and that radio transmission is not obstructed by metal.
- The R20D-EM relay should be installed within 100 feet of LLEVO panel for control using a CAT-5 data cable.
- Mount the relay to a junction box or fixture using the 1/2" nipple and secure with the 1/2" locknut provided and mounting bracket.
- Terminate the Emergency and Normal power line inputs 120/277VAC, neutrals, and fixture control load outputs from the relay to the EM and Normal power fixtures to be controlled as required by NEC Code.
- Test 0-10VDC wiring from the fixtures for proper voltage and reverse wiring of the DC control leads before connecting to the WR20D-EM or R20D-EM relay.
- Terminate the low voltage Class-2 0-10VDC dimming control leads using two #18AWG leads for EM and Normal control to the fixtures. Keep Class-2 wiring separate from line voltage runs per NEC Code requirements.
- Test the EM relay operation using the EM Test button on the relay.
- Control of the R20D-EM relay is provided from the LLEVO panel.
- To link the WR20D-EM relay to LSG3-W switches, refer to TB0401
- For control of the WR20D-EM from a LLEVO-W controller refer to TB0402.