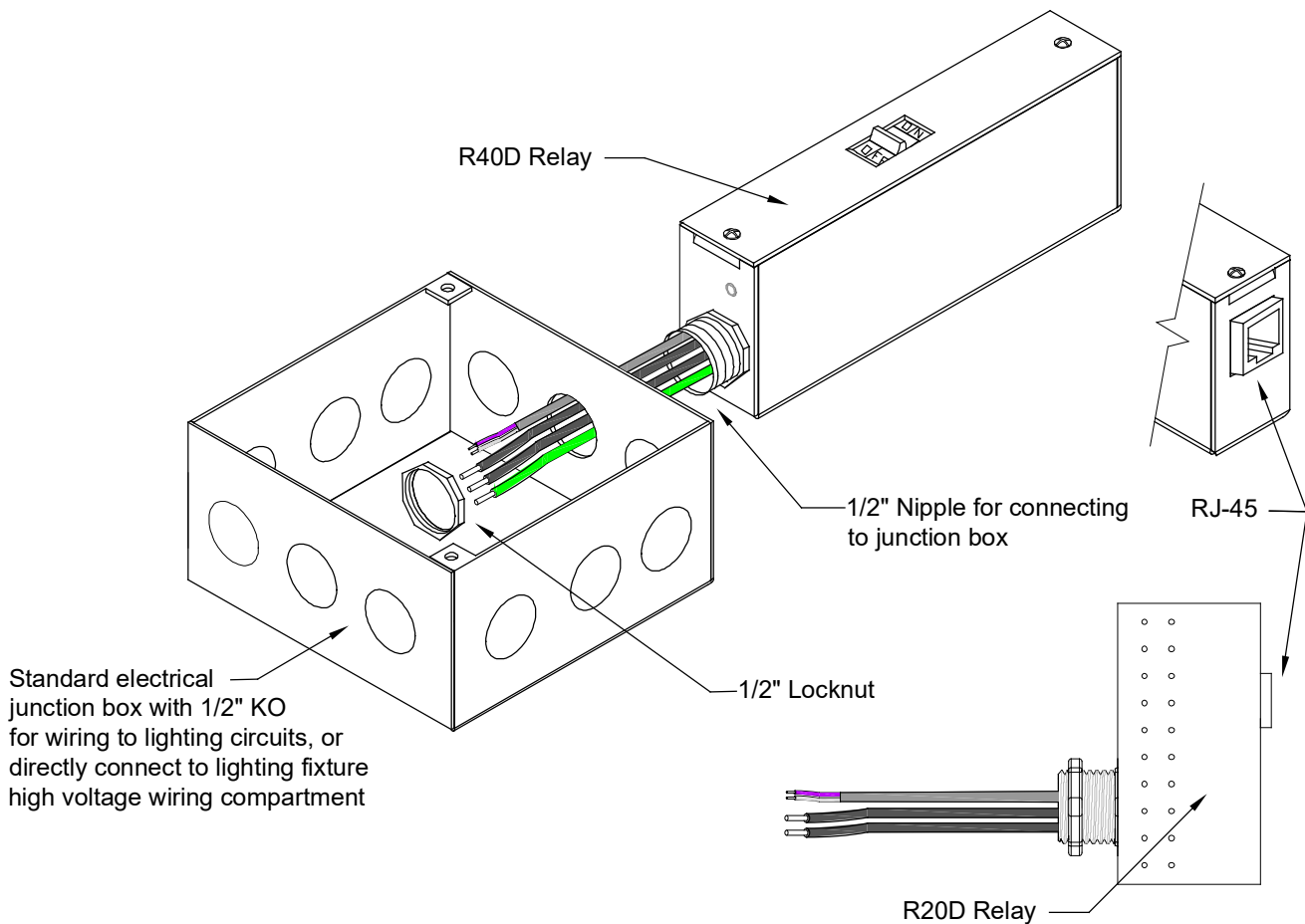


# LightLEEDer R40D and R20D Relay Installation Details



## Installing the R40D and R20D Relay:

- Locate remote mount 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.
- Mount the relay to line voltage junction box or fixture using the 1/2" nipple and secure the relay using the 1/2" locknut provided.
- Terminate the line voltage power and fixture load leads to the relays control wires (Black wires) as required by NEC Code, cap off the unused lead.
- Terminate the R40D Green ground lead to the j-box.
- Always test 0-10VDC wiring from the fixture for excessive AC leakage voltage and reverse wiring of DC control leads the before connecting to the remote R40D or R20D relays 0-10V dimming control leads.
- Terminate the low voltage Class-2, 0-10VDC dimming leads (Purple/Gray) using two #18AWG leads to fixture, keep Class-2 wiring separate from line voltage runs per NEC Code requirements.
- Install CAT-5 data cable from the EVO controller to the R40D/R20D remote mounted relays (refer to EVO controller wiring detail).
- Follow local codes and rules for conduit and plenum rated cable requirements.
- Test relay for proper operation using EVO controller and LS dimming station (R20 Relay field test tool available from ILC)