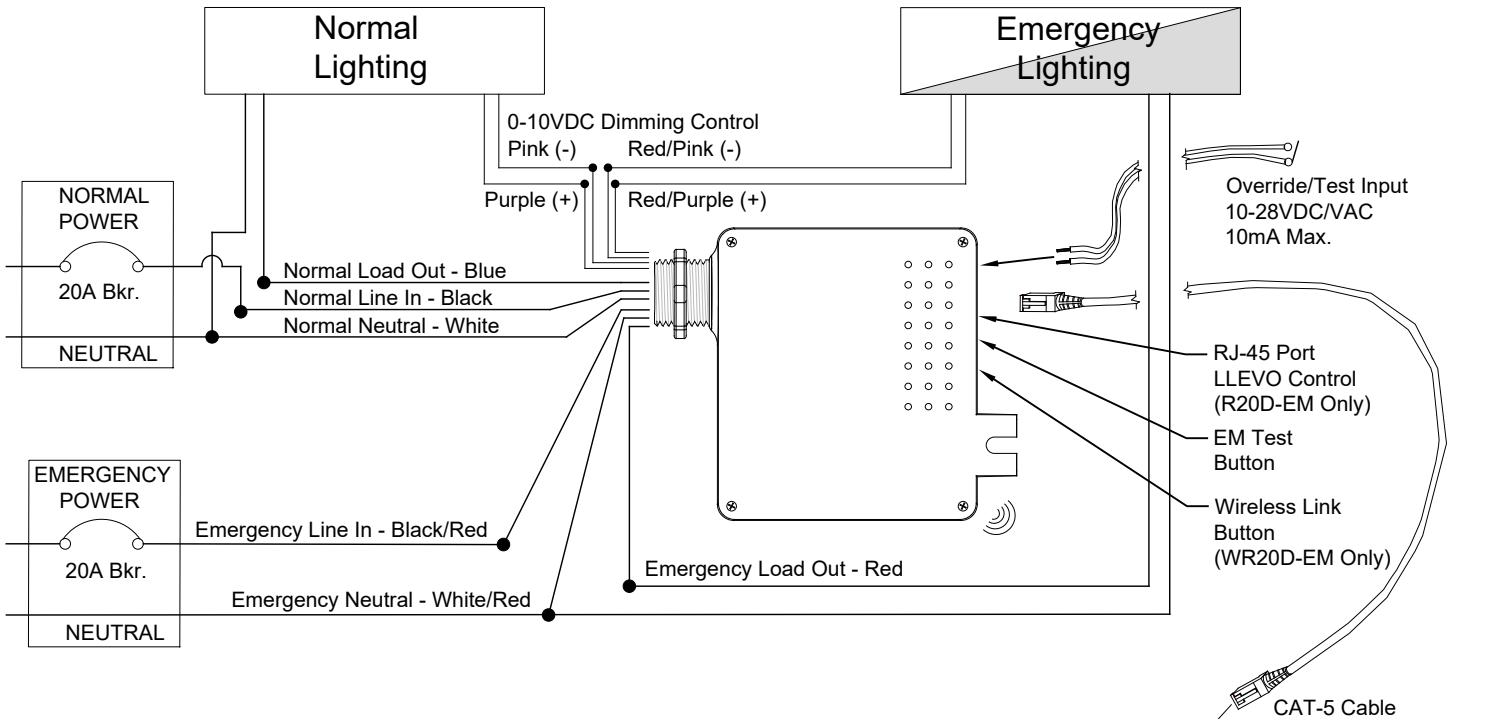
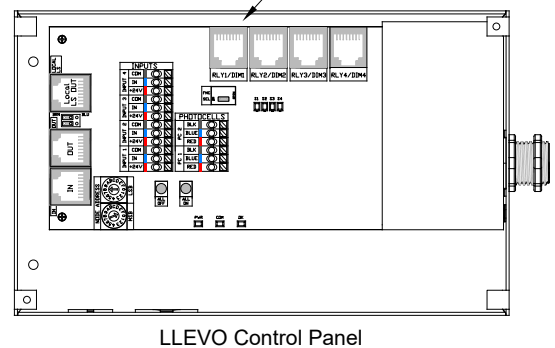


R20D-EM and WR20D-EM Bypass Relay Wiring Details

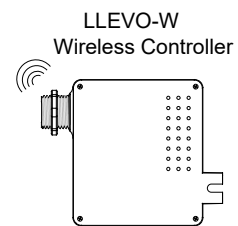
The R20D-EM Relay combines both normal and emergency powered lighting control in the same device. Both loads operate together under normal conditions, when normal power is lost the Emergency load and 0-10V dimming are forced ON.



- The R20D-EM or R20D-EM relay is powered by two electrical circuits, verify that both circuit breakers are OFF before connecting.
- Connect the Emergency power line and load wires as shown above.
- Connect the Normal power line and load wires as shown above.
- Keep the Emergency and Normal power separated per NEC Code.
- Connect all 0-10VDC dimming control wires as shown above, cap all unused leads.
- Press the Emergency Test button to force an Emergency state.
- Connect any remote test switches or connections from a Fire Alarm system and test the operation.
- Connect the R20D-EM relay to a LLEVO controller using a CAT-5 data cable for direct control of the loads.
- For wireless control of the WR20D-EM refer to TB0401 for direct link instructions, and TB0402 for linking to a LLEVO-W controller.



LLEVO Control Panel



Caution:

The R20D-EM and WR20D-EM devices are feed from two independent electrical circuits, when servicing verify both circuit breakers are switched OFF to prevent accidental harm.

Emergency Power Connections:

Neutral = White/Red
Line In = Black/Red
Load Out = Red
0-10VDC (+) = Red/Purple
0-10VDC (-) = Red/Pink

Normal Power Connections:

Neutral = White
Line In = Black
Load Out = Blue
0-10VDC (+) = Purple
0-10VDC (-) = Pink