LightLEEDer EVO Controller
Wiring Details

**RJ-45 Connectors for CAT-5 Cable to R20 Remote Relays at maximum distance of 100 feet**

**1/2” and 3/4” Knock-outs for Low Voltage Conduit and Wiring Connection**

**RJ-45 for CAT-5 Cable Connection to Other LightLEEDer Panels When Networked**

**CAT-5 Cable to R20 Remote Relay**

**Momentary SPDT center off toggle switch shown**
3-wire connection requires 2 inputs.
Optional: maintained switch or momentary push button uses a 2-wire connection (+24VDC to Input).

**Photo Cell inputs are powered at 5VDC**
Maximum range of 3,000 feet to sensor

**Inputs can be used for motion sensor(s) or override switches**
24VDC power 200mA maximum for all 4 input combined.
#18AWG wire at maximum distance of 1,000 feet

**Motion Sensor**
Black = Common
Blue = Return signal
Red = +24VDC

**Override Switch**
Up - On
Center
Down - Off

**Local LS - RJ-45 for CAT-5 Cable Connection to LightSync Switches or Devices**

**EVO Input wiring**
Push input lock button to open the wire hole jaw, insert wire.

**Black = 120V**

**Brown = 277V**

**Orange = 347V (Optional)**

**White = Neutral**

**Photo Cell - RJ-45 for CAT-5 Cable Connection to Other LightLEEDer Panels When Networked**

**Photo Cell inputs are powered at 5VDC**
Maximum range of 3,000 feet to sensor

**ILC - Photo cell**
Black = Common
Blue = Digital return
Red = +5VDC

**Black = Common**

**Blue = Digital return**

**Red = +5VDC**

**Black - COM**

**Blue - IN**

**Red - +24V**

**BLUE (OFF) - INPUT 2**

**RED (ON) - INPUT 1**

**YELLOW - +24V**

**BLACK (OFF) - INPUT 2**

**RED (ON) - INPUT 1**

**YELLOW - +24V**

**BLACK**

**BLUE**

**RED**

**BLUE - IN**

**RED - +24V**

**Black (OFF) - INPUT 2**

**Red (ON) - INPUT 1**

**Yellow - +24V**

**Black = Common**

**Blue = Return signal**

**Red = +24VDC**

**Top lug = Off**

**Center = Power**

**Bottom lug = On**

**Push input lock button to open the wire hole jaw, insert wire.**