LightLEEDer 4 Load Room Controller

Wiring Detail

**DIM 2 + SOURCE**
**DIM 2 GROUND**
**INPUT 4 +24VDC**
**INPUT 4 SINK**
**INPUT 4 SOURCE**
**INPUT 4 GROUND**
**INPUT 3 +24VDC**
**INPUT 3 SINK**
**INPUT 3 SOURCE**
**INPUT 3 GROUND**
**INPUT 2 +24VDC**
**INPUT 2 SINK**
**INPUT 2 SOURCE**
**INPUT 2 GROUND**
**INPUT 1 +24VDC**
**INPUT 1 SINK**
**INPUT 1 SOURCE**
**INPUT 1 GROUND**

**OCCUPANCY SENSOR 3-WIRE**
**SWITCH CLOSURE 2-WIRE**
**BAS CONTROL (12-24VDC SOURCE)**

**DIM 1 + SOURCE**
**DIM 1 GROUND**

**PHOTO 2 BLUE**
**PHOTO 2 BLACK**
**PHOTO 2 RED**
**PHOTO 1 BLUE**
**PHOTO 1 BLACK**
**PHOTO 1 RED**

**SENSOR (+) RED**
**ILC PHOTO SENSOR (SEN) BLUE**
**SENSOR (-) BLACK**

**0-10VDC DIMMING BALLAST (+) PURPLE**
**0-10VDC DIMMING BALLAST (-) GRAY/PURPLE STRIPE**

**SENSOR POWER (+) RED**
**SENSOR CONTROL (SEN) BLUE**
**SENSOR POWER (-) BLACK**

**MAINTAINED SWITCH POWER (+) RED**
**MAINTAINED SWITCH CONTROL RETURN (-) BLACK**

**BAS COMMON (-) BLACK**
**BAS SUPPLIED VOLTAGE 12-24VDC (+) RED**

**PUSH BUTTON POWER (+) RED**
**PUSH BUTTON CONTROL RETURN (-) BLACK**

**STANDARD TERMINAL WIRING**
**SOURCE TERMINAL WIRING**
**PULL DOWN CIRCUIT OPERATION**
**12VDC .05mA DRAW**

**SINK TERMINAL WIRING**
**PULL UP CIRCUIT OPERATION**
**200mA TOTAL SENSOR POWER**

**TRANSFORMER TERMINATION**

**120 VAC WIRING**
**277 VAC WIRING**

**347 VAC WIRING - CANADIAN VERSION**

**ATTENTION INSTALLING CONTRACTOR**
You are required to set the address of this device according to the riser provided by ILC. Failure to do so will make the unit non-functional.

**NETWORKING RJ-45 CONNECTORS**
Used when used in panel network

**LOCAL BUS RJ-45 CONNECTOR**
For connecting up to 2 LightrSync switches

**MSB**
**LSB**

**2 DIGIT PANEL ADDRESS SWITCHES**
FF = STAND ALONE OPERATION
01-10X NETWORK ADDRESS

**24VAC CT POWER INPUT**
RED/RED 24VAC RED/YELLOW 12VAC

**4 INPUT TERMINALS FOR OCCUPANCY SENSORS OR HARDWIRED SWITCHES**

**2 LIGHTSYNC PHOTOCELL INPUTS & 4 0-10V DIMMING OUTPUTS**

**FACTORY DIMMER SETTING**
A = DEFAULT

**FACTORY DIMMER SETTINGS**
C = SINK VOLTAGE (0-10V BALLAST)
Consult factory for use of "A" DIRECT DRIVE (ANALOG OUTPUT)
"B" SOURCE VOLTAGE SETTING OPTIONS & LIMITATIONS

**4 RELAY INTERFACE CONNECTORS**

**FIRMWARE PROGRAMMING PORT**

**STATUS LED INDICATORS**
PWR = POWER
DR = PROCESSOR RUNNING
CON = COMMUNICATIONS ACTIVE