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

SINK TERMINAL WIRING
PULL DOWN CIRCUIT OPERATION
12VDC .05mA DRAW

SWITCH "ON" RETURN (+) RED
3-WIRE SWITCH COMMON (-) YELLOW
SWITCH "OFF" RETURN (+) BLACK

MAINTAINED SWITCH COMMON (-) BLACK
MAINTAINED SWITCH CONTROL RETURN (+) BLACK
MANTAINED SWITCH POWER (+) RED
MANTAINED SWITCH CONTROL POWER (+) RED

SOURCE TERMINAL WIRING
PULL UP CIRCUIT OPERATION
200mA TOTAL SENSOR POWER

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 B= 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
OK= PROCESSOR RUNNING
CON= COMMUNICATIONS ACTIVE

Transformer Termination

120 VAC WIRING
BROWN 120 VAC - HOT
WHITE/BLACK STRIPE 120 VAC - NEUTRAL
WHITE 120 VAC - HOT
BLACK 120 VAC - HOT

277 VAC WIRING
BROWN 277 VAC - HOT
BLACK/WHITE STRIPE 277 VAC - HOT
WHITE/BLACK STRIPE 277 VAC - HOT
WHITE 277 VAC - NEUTRAL
BLACK 277 VAC - NEUTRAL

347 VAC WIRING CANADIAN VERSION
ORANGE 347 VAC - HOT
BLACK/WHITE STRIPE 347 VAC - HOT
WHITE/BLACK STRIPE 347 VAC - HOT
WHITE 347 VAC - NEUTRAL
BLACK 347 VAC - NEUTRAL

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PD0015 Rev. E