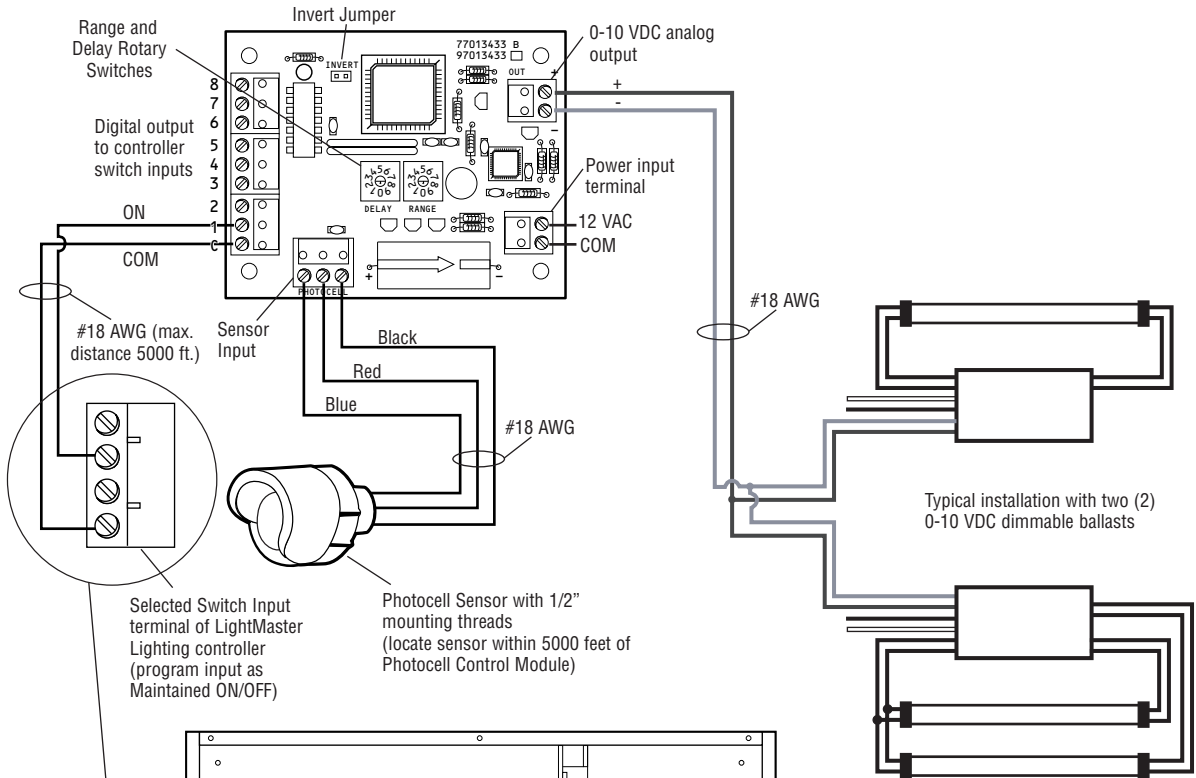


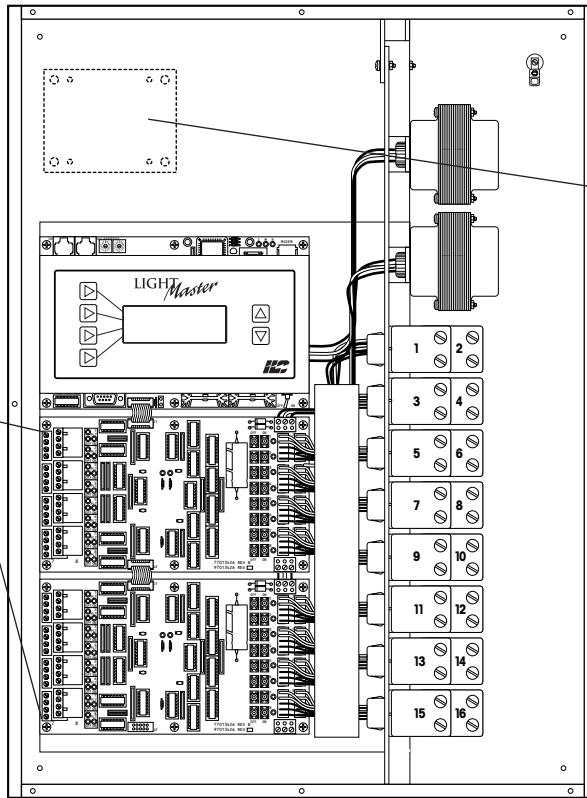
Hardwire Dimmer Photo Sensor Installation

Photocell Controller (Outdoor Head shown, Indoor similar)



Selected Switch Input terminal of LightMaster Lighting controller (program input as Maintained ON/OFF)

Photocell Sensor with 1/2" mounting threads (locate sensor within 5000 feet of Photocell Control Module)



LightMaster 16 Controller



Energy Saving Lighting Controls

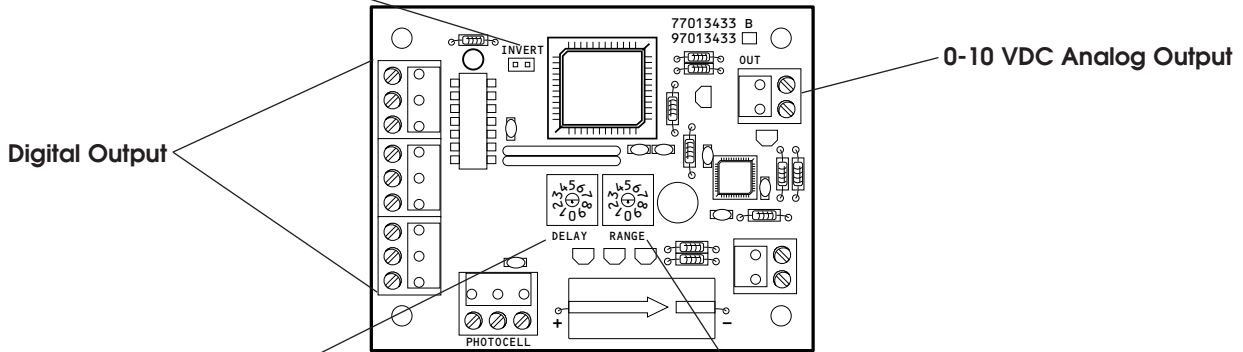
INTELLIGENT LIGHTING CONTROLS, INC.

5229 Edina Industrial Boulevard
 Minneapolis, Minnesota 55439
 Phone 952 829 1900
 FAX 952 829 1901
 www.ilc-usa.com

ID0801

Invert Jumper

During normal operation, the analog and digital outputs are set to zero for no light and increase as the light level increases. If the invert jumper is installed, the analog and digital outputs are set to full scale for no light and decrease as the light level increases.



Digital Output

0-10 VDC Analog Output

Delay Setting

The delay time is set with an eight-position rotary dip switch. The delay setting controls the period of time over which the light level readings are averaged to control the outputs. The delay settings are shown below.

Delay	m:ss
0	0:02
1	0:30
2	1:00
3	1:30
4	2:00
5	2:30
6	3:00
7	3:30

Range Setting

The range of operation is set with an eight-position rotary dip switch. The controller converts the light level to an internal value on a logarithmic curve. This provides usable settings from dark to daylight. The range setting adjusts zero to full-scale output as shown below.

Range	Light levels
0	0 to 2 FC
1	0 to 3 FC
2	0 to 5 FC
3	0 to 9 FC
4	0 to 18 FC
5	0 to 50 FC
6	0 to 200 FC
7	0 to 1000 FC

Output

Analog Output	Digital Output
0.00V – 1.08V	None
1.09V – 2.18V	1
2.19V – 3.28V	1,2
3.29V – 4.38V	1,2,3
4.39V – 5.48V	1,2,3,4
5.49V – 6.58V	1,2,3,4,5
6.59V – 7.68V	1,2,3,4,5,6
7.69V – 8.78V	1,2,3,4,5,6,7
8.79V – 10.00V	1,2,3,4,5,6,7,8

