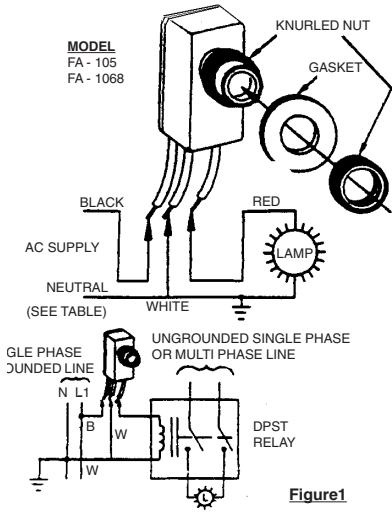


OUTDOOR LIGHTING CONTROLS FROM FP OLC



Installation Mounting:

FA Series controls are designed for mounting in any UL approved junction box. The control is provided with a neoprene gasket and one knurled nut for mounting in a wall plate with 1 1/16" center opening. The FA series with post collar is provided with a self tapping screw for grounding the post collar. Drill a 1/8" diameter hole into existing post through hole in adapter and install self-tapping ground screw. The FT, SFT & FL series are designed to mount in a standard UL approved junction box.

Photocontrol can be mounted directly through standard 1/2" NPT or 1/2" knockout. Connection to junction box must be watertight through the use of thread compound or suitable weatherproof washer. SFT and FL series are provided with an elbow to allow the control's "photocell" to be directed away from ambient light sources.

Installation Instructions:

1. Turn off all power at fuse or breaker box.
2. Ensure that the supply voltage matches the photocontrol voltage rating (see table)
3. Wire socket as indicated in wiring diagrams shown.
4. The socket should be mounted such that the "photocell" faces away from artificial light sources. It must not be illuminated by the lamp it controls or it will cycle on & off at night.
5. Installation must be in compliance with NFPA National Electrical Code which requires both sides of an ungrounded single phase or multi-phase line be broken (article 410-48) for lighting loads.
6. To install the control, firmly place it into the socket and twist it clockwise until it locks into place.
7. To confirm proper control installation, during daylight hours, cover the window completely to simulate darkness. The control should switch the load on within 1-2 minutes.

*Note: NS47671, NS47673 socket shall be mounted directly through standard 1/2" NPT or 1/2" knockout, for NS47671, NS47673 a 1/4" NPT or 1/4" knockout, connection to junction box must be watertight through the use of thread compound or suitable weatherproof washer.

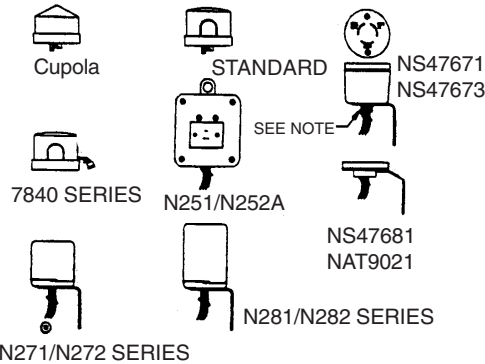
Operation:

All controls are designed to turn-on within a range of 1-5 foot candles and turn-off within a range of 3-15 foot candles.

Control Model	Line Voltage	Load Rating-HID
FP120	120	1800VA
FP208-277	208-277	1800VA
FP480*	420-530	1800VA
N7760	120	1800VA
N7841*	120	1800VA
N7842*	208-277	1800VA
MULTI-RELAYS		
N251A/N252A*	120	3000VA
N261/N262*	120	3000VA
N271/N272*	120	3000VA
NS476XX	UP to 480	15 Amps Max.
NAT9021	Up to 480	15 Amps Max.

** Not UL Listed or CSA Certified
*HID Ballast Rating

NFP AND N6690/N7700 PHOTOCONTROLS



Operation:

All controls are designed to turn-on within a range of 1-5 foot candles and turn-off within a range of 3-15 foot candles.

The FT and SFT controls have a movable shutter to provide for turn-on/turn-off settings.

Test:

To test all controls simply cover photocell to simulate darkness and wait approximately 5 minutes for control to respond.

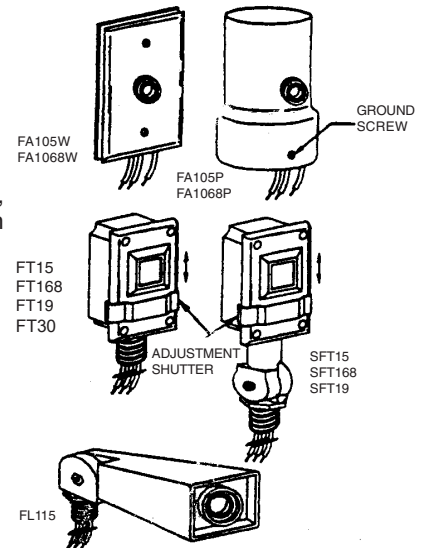
FA - To prevent water entry into photocontrol, always install photocontrol with wire side down and a drip loop on the lead wires.

Model	Line Voltage	Load Rating	
		Tungsten	Ballast*
FT15, SFT15	120	2000W	1000VA
FT168, FFST168	208-277	2000W	1000VA
FT19**, SFT19**	480	2000W	1000VA
FL115	120	2000W	1000VA
FA105, FA105P.W	120	2000W	1000VA
FA1068, FA1068P.W	208-277	2000W	1000VA
FT30	120	2000W	2000VA

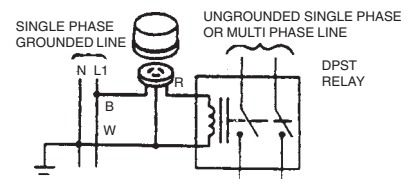
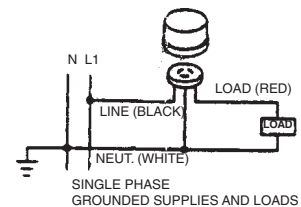
** Not UL Listed or CSA Certified
*HID Ballast Rating

Installation Instructions:

1. Turn off all power at fuse or breaker box.
2. Ensure that the supply voltage matches the photocontrol voltage rating (see table)
3. Wire control as indicated in Figure 1. Installation must be in compliance with NFPA National Electrical Code which requires both sides of an ungrounded single phase or multi-phase line be broken (article 410-48) for lighting loads.
4. The control should be mounted such that the "photocell" faces away from artificial light sources. It must not be illuminated by the lamp it controls or it will cycle on & off at night.
5. Control should be mounted with wires facing down to prevent moisture ingress.
6. Once power is restored lamp will come on.
7. Allow up to 5 minutes for lamp to turn off for daytime operation.



TYPICAL WIRING DIAGRAMS



FP Outdoor Lighting Controls
Quality Products for Over 50 Years

370 Paramount Drive - Unit 2
Raynham, MA 02767
P: 508-821-1597, FAX: 508-822-0593
www.fpolec.com