

## Single Pole (One Location) or 3 Way (Multi Location) Fluorescent Light Manager 120 VAC, 60 Hz, 300 W Installation Instructions

### WARNINGS:

- To be installed and used in accordance with appropriate electrical codes and regulations.
- If you are unsure about any part of these instructions, consult a qualified electrician.
- To avoid overheating and possible damage to this device and other equipment, use only as instructed.
- Use only one (1) dimmer per lighting load and do not exceed a total load of 300 Watts / 150 Watts if using CFL's.

### CAUTIONS:

- Disconnect power at circuit breaker or fuse when servicing fixture.
- During normal operation, dimmer may feel warm to the touch.
- Only use this device with cooper or copper clad wire.

### Tools needed to install your FLM:

Phillips Screwdriver  
Flat Screwdriver  
Pliers  
Cutters

### Installing Your FLM:

**Before you begin: To avoid fire, shock, or death; TURN OFF POWER at the circuit breaker or fuse and test that power is OFF before wiring.**

**Step 1: Removing Existing Switch:** Unscrew existing wall plate and switch mounting screws. Carefully pull switch from wall box. Inspect wiring, and compare to diagram.

Note: If the wiring in the wall box does not resemble this configuration, consult a qualified electrician.

### Step 2: Disconnect Switch Wires:

Disconnect wires from existing switch screw terminals or quick wire slots and completely remove existing switch.

### Step 3: Preparing Installation:

- Pull off pre-cut insulation from the FLM leads.
- Make sure that the ends of the wires from the wall box are straight. (cut if necessary)
- Remove 5/8" of insulation from each wire.

### Step 4: Single Pole Install/Wiring FLM Model 01:

Connect wires per Wiring Diagram as shown. Figure 1

1. Connect BLACK wire from the FLM to the Black – Line wire of the wall box (usually located at the top of the original switch).
2. Connect GREEN wire from the FLM to the bare copper or green ground wire of the wall box.
3. Connect RED wire from the FLM to the Black-Load wire of the wall box (usually located on the bottom of the original switch). Note: Ensure that the Red wire from the FLM is connected to the Black (Load) wire which runs to the lamps and not the Black (Line) wire.

•Carefully mount FLM into box and screw into place. If using a decora wall plate, snap on insert with iDim logo on the metal plate.

### Step 5: 3 Way Install/Wiring FLM Model 01.3:

**Note: this step is only for 3 way application**

Connect wires per Wiring Diagram as shown. Figure 2

1. Follow and Complete Step 4:
2. Connect the BLUE wire from the FLM (labeled) to the tagged wire in the wall box.

•Carefully mount FLM into box and screw into place. If using a decora wall plate, snap on insert with iDim logo on the metal plate.

**Step 6: Restore Power:** Restore power at the circuit breaker or fuse.

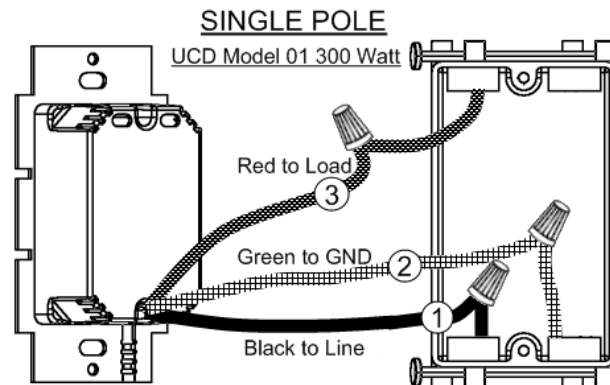


FIG 1

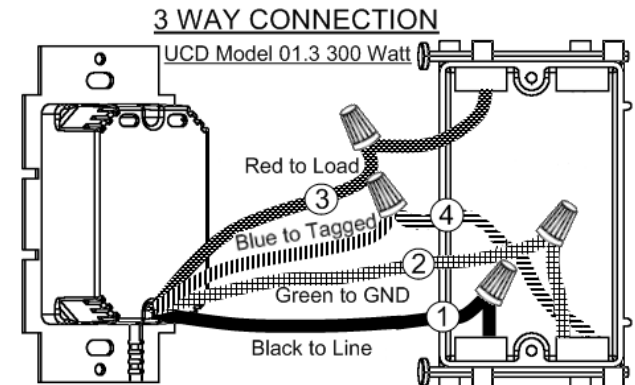


FIG 2

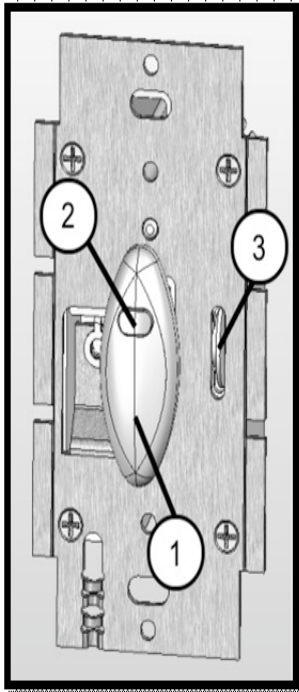
## Reference Guide:

**1.Power Switch:** Push “ON” / Push “OFF”  
AC Power Switch

**2.Light Intensity Switch:** Push light intensity switch to adjust light intensity level

**4.Potentiometer:** Rotate Potentiometer to preset minimum light intensity level.

Note: 50% maximum reduction for most CFL's.



## Operation:

**ON:** Turn the FLM-01 on by pushing the power switch (switch 1). The load will start slowly increasing in brightness (10-12 seconds) and then returns to the last setting stored in memory after 60 second delay built in software.

## Changing the Intensity:

- Pushing the light intensity switch (switch 2) changes the light intensity.
- The switch can be pushed in 1 – 2 second intervals up to 6 times.
- Each press decreases the light intensity.
- The 6<sup>th</sup> press will set the light intensity to the minimum/lowest setting.
- To increase the light intensity, press 6 times from the lowest setting. Each step will increase the light intensity.
- Once light intensity preferences are set, the light intensity switch is set so you may push & hold and the light intensity will decrease. Push & hold 1 second and the light intensity will increase to full brightness.

## DIM:

- Use the potentiometer (switch 3) to set the total decrease in intensity.
- The default setting will handle most lights; however, due to different setups and preferences, it may need to be re-adjusted.
- Adjustments will be stored in memory once set. When you turn lights off and on again, the lights will automatically go to the pre-set level after 60 second delay.
- If bulbs flicker, the FLM is set too low and must be set to a higher level.

**OFF:** Turn the FLM-01 off by pushing the power switch again. The FLM must be allowed 10 – 12 seconds after shut down to discharge prior to being turned on again.

**Note:** The FLM has AC Power Failure Memory that will automatically return lights to last set level.

## Troubleshooting:

### Lights Flickering:

- In case of non-dimmable CFL bulb(s) flickering during decrease or increase in light intensity: reconnect Green wire from the FLM to the White/Neutral wire, if available, of the wall box. If flickering does not stop, replace the non-dimmable CFL bulb with a different brand.
- Lamp has a bad connection.
- Wires are not secured with wire connectors.

### Light Does Not Turn On:

- The fuse or circuit breaker is tripped.
- Lamp is burned out.
- Lamp Neutral connection is not wired properly.
- FLM power button needs to be centered in the switch opening to allow for full movement.

- Disclaimer: CFL bulb manufacturers do not recommend dimming non-dimmable CFL bulbs; however, the FLM models 01 and 01.3 are capable of dimming non-dimmable CFL's.
- It is recommended to use CFL bulbs with all the same wattage any one FLM to ensure equal dimming.
- As with any CFL bulb, prolonged or permanent use at the lowest light level may shorten the life of the bulb.
- It is recommended not to mix CFL bulbs with incandescent, or halogen on any one FLM.