

Plastic Formed Pedestal Installation Guide (PCOD)



FLASHRIGHT® Displays
6210 Browns Bridge Rd.
Cumming, GA 30041
Tel. 678-455-9121
www.FlashRightDisplays.com

PLEASE READ WARNING STATEMENTS ON THE NEXT PAGE

PLEASE READ Addendum "A" on Pg. 6 BEFORE INSTALLATION

Warning Statements

- **A qualified person should perform the installation & servicing of the FlashRight Displays (FRD).** Damage can result from dropping or mishandling the Display.
- Standard safety measures must be practiced at all times during the installation of this product. Use proper safety gear and tools for the installation procedure to prevent personal injury.
- **Prior to installation of this product, the installation instructions should be read and completely understood.** The installation instructions must be read to prevent personal injury and property damage. Keep these installation instructions in an easily accessible location for future reference.
- When working around an electrical source, **make sure the electrical source has been shut off** and confirm it is off with the appropriate testing device.



- **The FlashRight Display is a 12 Volt DC system** and must be used with the **plug-in 120 VAC to 12 VDC** power transformer supplied.
(Do not connect the 2 conductor Display wiring directly to 120 VAC)
- All wiring should meet or exceed local codes and the **National Electric Code (NEC)**.
- **1 Year Warranty** on all electronic FlashRight Display Components.



Overview

- The FlashRight Display (**FRD**) is designed to install on the front of the PCOD.
- All the (**FRD**) electronic components are outdoor rated.
- Please allocate enough time to correctly complete any installation configuration.
- Installation should be completed during **dry conditions and above 40° F.**

FCC Compliance Statement

- This equipment has been tested and found to be FCC Part 15B compliant.
Caution: Any changes to this equipment not approved by the responsible parties for compliance could void the user's authority to use this equipment.



Power Supply

- Power Supply used for the FlashRight Display is UL listed for US and Canada.
- Power Supply is rated for OUTDOOR USE
- Switching Power Supply = Input: 100-277VAC ~ 50/60Hz 300mA
Output: 12V Max. 1000mA



For Technical Assistance Call: 678-455-9121

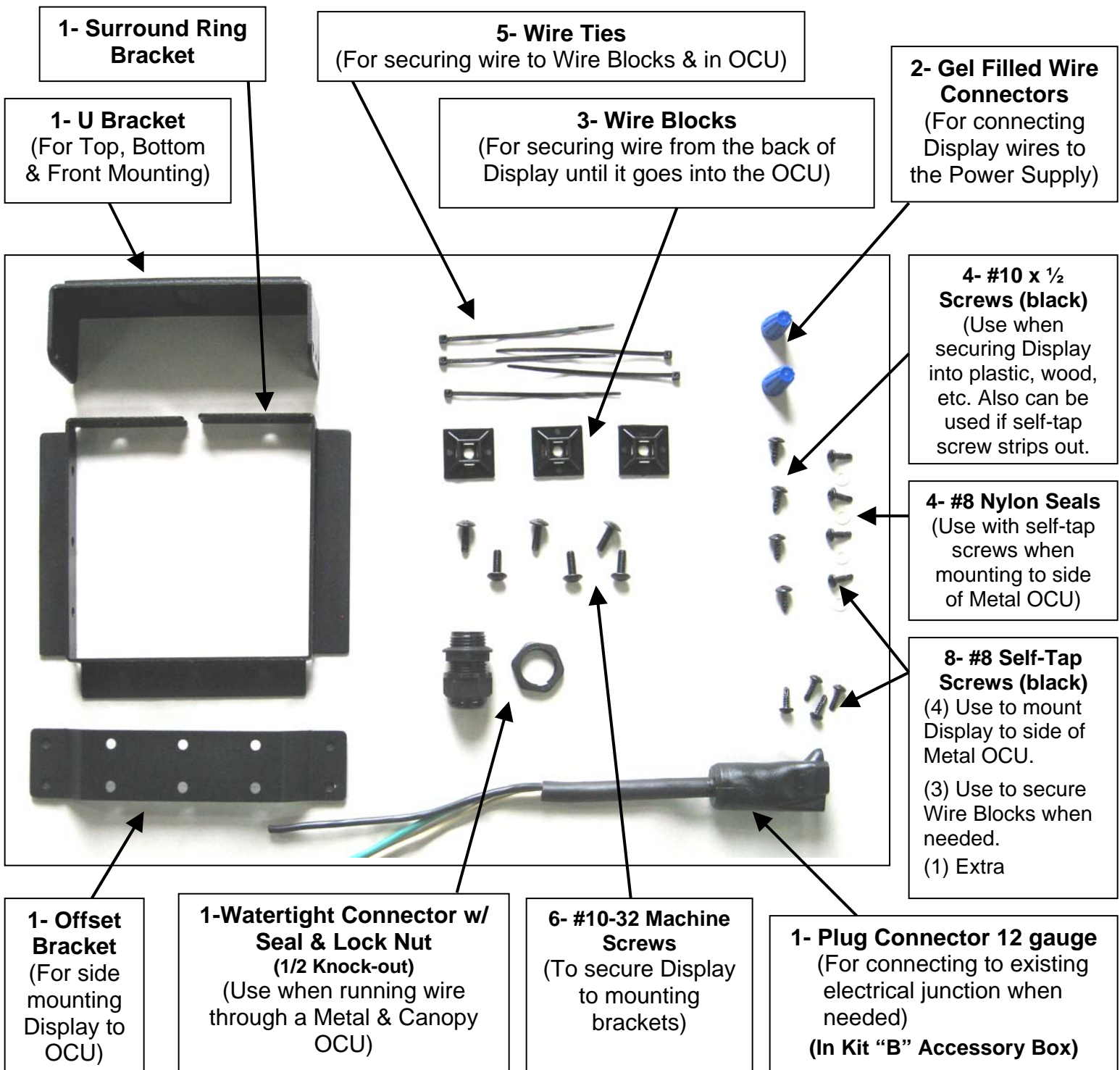
Mon - Fri 9 am-5 pm

(Eastern Standard Time)

-OR-

Visit us at www.FlashRightDisplays.com/InstallationSupport

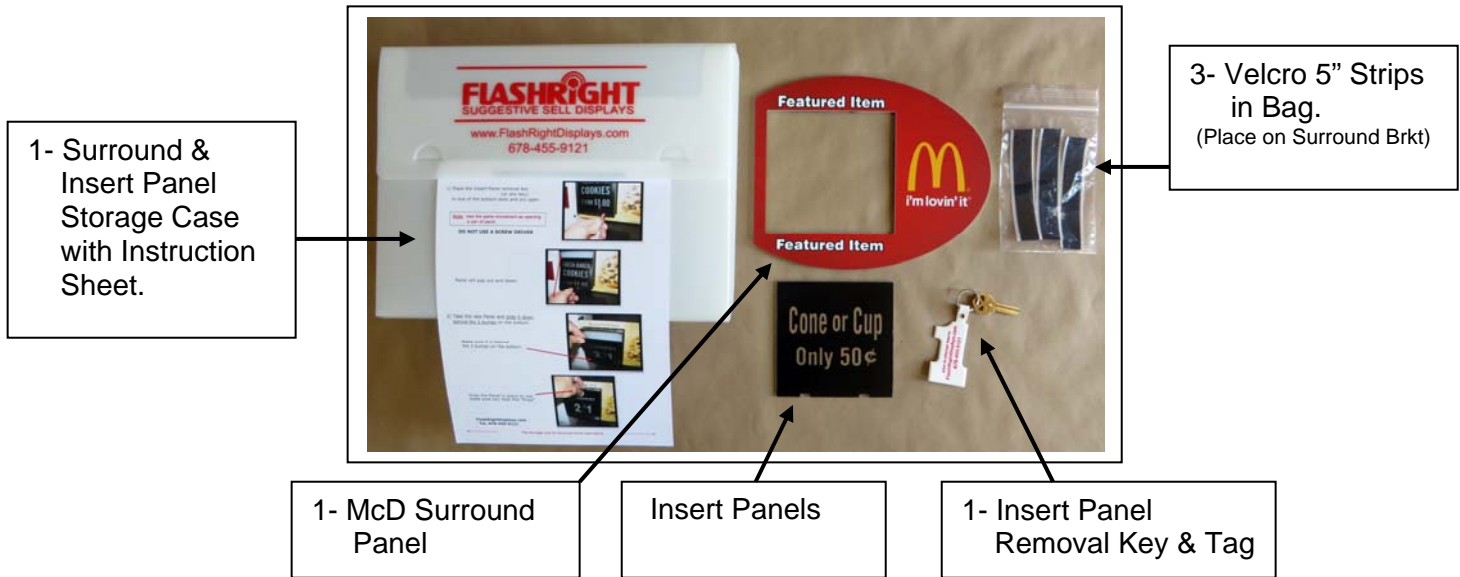
KIT "A": FLASHRIGHT Display (FRD) Brackets and Hardware Description



- The above parts are in Kit "A" (except the 1-Plug Connector 12 gauge)

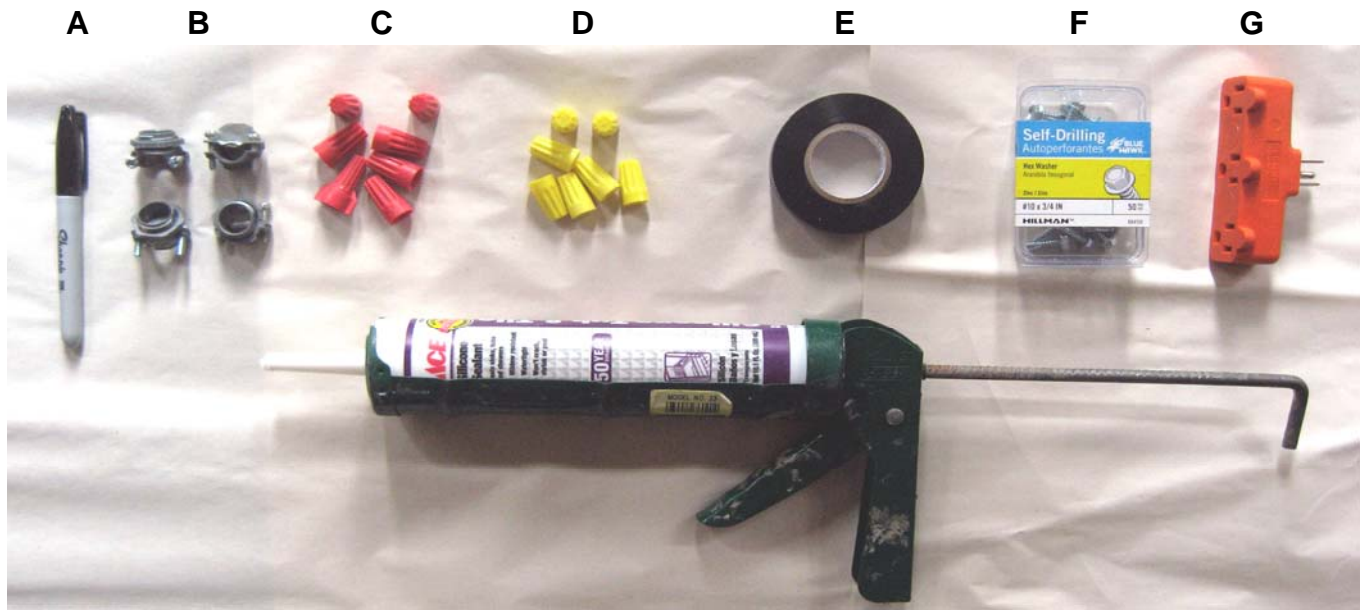
PLEASE READ "DISPLAY SET-UP GUIDE" BEFORE INSTALLATION on Page 6

KIT "B": FLASHRIGHT Display Installation Accessories



Also in KIT "B" are the Installation Manuals & the Plug Connector

Recommended Supplies for FLASHRIGHT Installation



H

- A) Felt Tip Marker (Black)
- B) Romex Connector - For 1/2" Knock Out (Sometimes needed)
- C) RED Wire Nut Connects (Sometimes needed)
- D) YELLOW Wire Nut Connectors (Sometimes needed)
- E) Electrical Tape (Sometimes needed)
- F) #10 x 3/4" Hex Head - Self Drilling Screws (Sometimes needed)
- G) Heavy Duty 3 Way Plug (Rarely Needed)
- H) Caulk Gun with a Tube of 100% Silicone Caulking (Sometimes needed)

Recommended Tools for FLASHRIGHT Installation



- A)** #1 Flat Blade Screw Driver
B) #1 Phillips Head Screw Driver
C) #2 Flat Blade Screw Driver (Short)
D) #2 Phillips Head Screw Driver (Short)
E) #2 Square Recess Bit
F) Torx Bit Set (Tamper Resistant)
Make sure they are Tamper Resistant type
G) Magnetic Nut Driver Set (7/16" – 3/8" – 5/16")
H) 1/8" Drill Bit (Set of at least 2 & have extras)
I) 1/4" Drill Bit (Set of 2 & have extras)
J) 3/8" Drill Bit (Set of 2)
K) # 4 Step Drill Bit (3/16" to 7/8")
L) # 1 Step Drill Bit (1/8" to 1/2")
M) 6" Magnetic Drive (Extension Bit)
N) Metal Pedestal OCU Key
 - Keys can be purchased from Assembly Fasteners, Tel # 800-488-4777
 - Part Number: Southco E3-5-15 (Key-Metric Steel – Approx. cost \$3.00)**O)** Utility Knife
P) Tape Measure
Q) Wire Strippers
R) Long Nose Pliers
S) Channel Lock Pliers
T) Flash Light
U) Voltage/Multi Meter (Analog or Digital)
V) Cordless Drill w/ Magnetic Drive Bit (Minimum 12VDC or Higher)
W) IDEAL Part # 45-165 (Buy online-Amazon) This will help speed up install & cut cable perfect.

Cable Stripper



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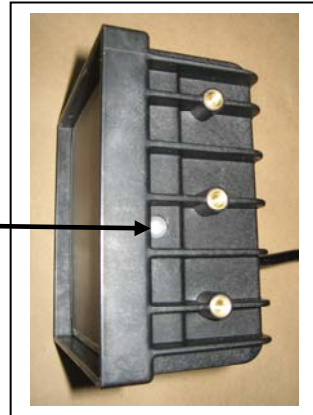
Display Set-Up Guide

➤ Use this type of mounting if securing to the PCOD or where it is necessary to mount from the Top, Bottom or Back.

U Bracket Mounting (left side)



U Bracket Mounting (right side)



PCOD Mounting Method
Note Photo Cell location
Right Side

Model number is on Top Side of Display

Place the POP Trim Ring over the FRD and secure it using the bottom two holes and #10 machine screws

*Do not fully tighten down right now



**** You will use the top 4 screw holes later to mount the FRD to the U Bracket on the PCOD****

Suggested Mounting Locations on COD



Align the left side of bracket $\frac{3}{4}$ " to the right of the indent

Align the top side of bracket $\frac{3}{4}$ " lower than indent

Overview:

- There are 2 main types of Plastic CODs (PCOD). There may be some variations to each, however one type you will remove the front panel of the **PCOD** (10 screws). The other type you will remove a back metal access panel (6-8 screws).
- The following steps will give you a good idea on how to install the FlashRight Display (FRD) to the **PCOD**.

****Turn OFF power to the PCOD****

****IF YOU HAVE THE PCOD THAT HAS THE FRONT THAT NEEDS TO BE REMOVED**
Do not remove the front of PCOD until Step 4****

Steps:

- 1) Position the FlashRight Display (FRD) bracket approximately $\frac{3}{4}$ " to the Right of the left side indent and $\frac{3}{4}$ " below the top side indent (See addendum "A" pg. 6). Use the supplied 4- #10 x $\frac{1}{2}$ " screws and secure U Bracket to the front of the **PCOD**. (See addendum "A" pg. 6)

Note: Do not use the #8 self-tap screws to mount this bracket.

- 2) Attach the **FRD** to the bracket by using the top 4 **FRD** holes, use 4 of the supplied #10-32 (black) machine screws. **(Picture 1 below is of removable front)**
- 3) Drill a $\frac{3}{8}$ " hole in the under side notch area as shown below, run the wire through this hole after you remove the front of the **PCOD**. **(Picture 2 below is of removable front)**

Note: If you have the **PCOD** with the removable back panel you will need to drill the hole under the **FRD** centered, and just in front of the ridge on the **PCOD** **(Picture 3)**. Drilling in this area allows you to run the wire toward the back of the **PCOD** where the access panel is.

- 4) Remove the 10 screws along the sides and remove the base cover screws. Slide off the front side of the **PCOD** and feed wire through the front as shown. Run the wire through the small square notch that is at the top left side of the metal base. This will keep the wire out of the way and help keep it in place when replacing the front of the **PCOD**. **(Rest the front cover on the side of PCOD & run wire. Leave wire slack)**

Note: If the **PCOD** is the type that has a removable panel on the back side, remove the panel and run the wire toward the back top access area. Place your hand in the top area of the back access and you will be able to get the wire at that point.

(1)



Run wire under front of display and inside.

(2)



^ (Removable Front PCOD) ^

(3)



^ (Back Access PCOD) ^

Note: When mounting the Display you will be using the Top 4 holes and the U-Bracket will go over the Surround Ring Bracket.

- Run the wire through square hole in top of the metal base.
(Removable Front PCOD)

- Run the wire out of the top back side.
(Back Access PCOD)

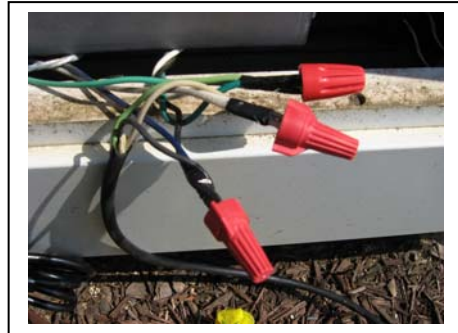


Now that the wire is run through the front part of the PCOD and the FRD is mounted to the front of the PCOD, you are ready to wire in the power supply.

- 5) Run the wire to the base area and leave enough wire to allow the front of the PCOD to be removed again. Cut off any excess wire you may not need. (make sure you do not cut too short)

Wiring in the Power Supply

- 6) Connect the RED wires from the FRD to the RED wire from the Power Supply. Do the same with the BLACK wires.
- 7) Plug in power supply to existing outlet inside in **COD** or wire in the Plug Connector 12 gauge to the 120 VAC power source.
- 8) Tape wiring connections if connecting directly to other open wiring.



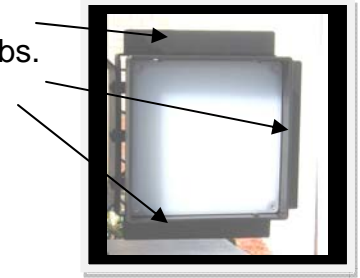
Note: Make sure you connect to the circuit that powers the COD and not to the circuit that powers the lighting in the Drive-thru area.

Note: All wiring should meet or exceed National Electric Codes (NEC)

- 19) ****Turn power breaker back ON****
 - > Confirm unit is working. The **FRD** should be flashing at this time.
 - > Place power supply out of the way and tie wrap excess wiring as needed.
 - > Reassemble the **COD** and secure all screws or panels removed.

Attaching the POP Trim Panel

20) Apply the 3 Velcro Strips that are in Kit B to the 3 Surround Bracket Tabs.
Place the strips on the TOP, BOTTOM and RIGHT SIDE



Slide the Surround Panel over the Display and push against the areas where the Velcro strips are.



Take the Insert Panel and slide it down behind the 2 bumps on the bottom.

Make sure it is behind the 2 bumps on the bottom.



Snap the Panel in place on top.
Make sure you hear the "Snap".



TO REMOVE INSERT PANEL

Place the Insert Panel removal key (or any key) in one of the bottom slots and pry open.

Note: Use the same movement as opening a can of paint.

DO NOT USE A SCREW DRIVER



Photocell Test

- 1) Place a piece of black tape over the photocell on the Right Side of the **FRD**.
- 2) Wait approximately 45 seconds to 1 minute. The **FRD** will dim to about 50% brightness.
- 3) Remove tape and wait approximately 45 seconds and the **FRD** will come back to full brightness.

Note: If you are installing the **FRD** at dusk or during the night time the **FRD** may already be in the Dim Mode and it will NOT dim anymore.

To test during night time

Shine a flashlight over the photocell for approximately 45 seconds to 1 minute. The **FRD** will go to full brightness. Remove flashlight and wait, the **FRD** will go back to 50% brightness.

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