Edwards Signaling™

Installation Instructions for 125 Class Beacons, HALOGEN Models

Description

Edwards 125 Class halogen beacons are UL and cUL listed signaling appliances rated for NEMA 4X applications. Two versions of 125 Class Halogen Beacons are available: Flashing (125HAL**F**) and Steady-On (125HAL**S**). Both versions can be either surface or conduit mounted.

A protective wire guard, Cat. No. 125GRD, is available.

Electrical Specifications

GRAY BASE	BLACK BASE		
Catalog Number	Catalog Number	Voltage	Current
Flashing Halogen			
125HALF*24D	125HALF*24DB	24V DC	0.770A
125HALF*24A	125HALF*24AB	24V AC 50/60 Hz	0.770A
125HALF*120A	125HALF*120AB	120V AC 50/60 Hz	0.200A
Steady-On Halogen			
125HALS*24D	125HALS*24DB	24V DC	0.770A
125HALS*24A	125HALS*24AB	24V AC 50/60 Hz	0.770A
125HALS*120A	125HALS*120AB	120V AC 50/60 Hz	0.200A
*Letter in this position indicates lens color: A - Amber, B - Blue, C - Clear, G - Green, R - Red			

Mechanical Specifications

Outdoor Locations
Temperature Ratings .... -31F to +150F (-35C to +66C)

Installation

⚠ **WARNING**

To prevent electrical shock, ensure that power is turned off before installing the signal.

Conduit Mounting (Figure 1)

1. Thread the 18" (45.7 cm) signal wire leads through either 1/2" or 3/4" conduit into an approved conduit outlet box. (Product is supplied with a double threaded - 1/2" internal and 3/4" external - conduit hub.)

2. Wire the beacon as follows:

   a. For AC models, use wire nuts (not supplied) and connect the signal's black and white wire leads to the power source wires as shown in Figure 1. Polarity is not relevant.

   b. For DC models, connect the signal's red wire to the positive power source wire and connect the signal's black wire to the negative power source wire using wire nuts (not supplied). Polarity must be observed. Refer to Figure 1.

3. Thread the conduit onto the base of the signal.

⚠ **WARNINGS**

To avoid risk of injury, install lens before energizing the unit.

To avoid the risk of injury, do not remove or insert lamp when unit is energized.

4. Turn on power and verify that the signal operates properly.

Panel Mounting (Figure 2)

Note: *When panel mounting the beacon, the surface and construction details of the panel must be taken into consideration in order to ensure that the integrity of the outdoor, NEMA 4X rating is fully maintained. Installer should evaluate.*

1. Place the mounting gasket (supplied) over the hole in the panel and route the signal wires through the gasket and the hole in the panel.

2. Insert the base through the hole in the panel and screw the locking nut (supplied), with the raised locking edge facing the mounting surface, onto the base to secure the beacon.

3. Wire the beacon as follows:

   a. For AC models, use wire nuts (not supplied) and connect the signal's black and white wire leads to the power source wires as shown in Figure 2. Polarity is not relevant.

   b. For DC models, connect the signal's red wire to the positive power source wire and connect the signal's black wire to the negative power source wire using wire nuts (not supplied). Polarity must be observed. Refer to Figure 2.

4. Turn on power and verify that the signal operates properly.

Maintenance

To avoid risk of injury, install lens before energizing the unit.

To avoid the risk of injury, do not start any maintenance when unit is energized.

To prevent electrical shock, disconnect all power and wait five (5) minutes for stored energy in strobe modules to dissipate before starting work on unit.

Cleaning

Disconnect power before cleaning. The module lens exterior surfaces should be periodically cleaned with a soft clean cloth using water and a mild detergent to maintain optimum light visibility.

Lamp Replacement

1. ***Conduit Mounted Modules:*** Disconnect wiring and, if necessary, unscrew base from conduit (Figure 1).

   Panel Mounted Modules: Disconnect wiring and remove locking nut that secures the base to the panel (Figure 2).

2. Remove (4) screws that secure the lens to the base from bottom of base (Figure 3) and remove lens.

3. Replace halogen lamp as follows (Figure 3):

   a. Grasp the metal base of the halogen lamp and push the lamp down while turning counterclockwise. Then, pull the lamp directly upward to remove from the socket.

   b. Grasp the new halogen lamp by its base and insert in the socket. Push down and rotate clockwise to lock in place.

   CAUTION: Do not touch glass surface of lamp at any time.)

4. Reattach lens to base and fasten with screws removed in step 2.
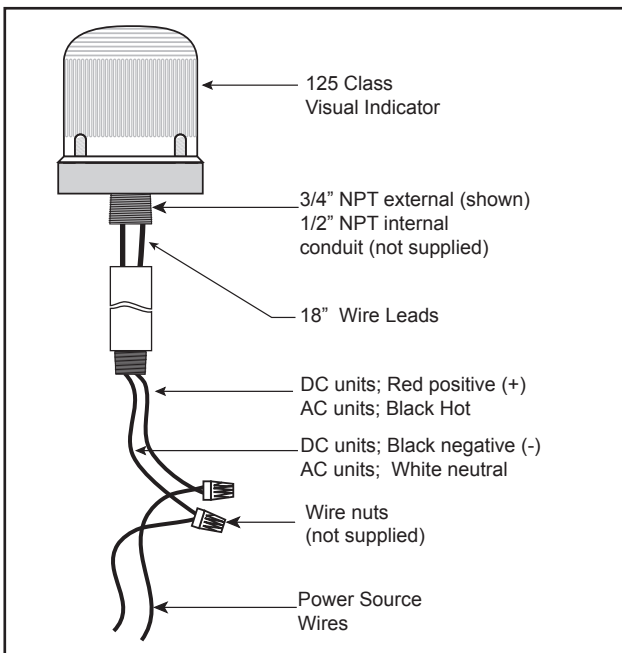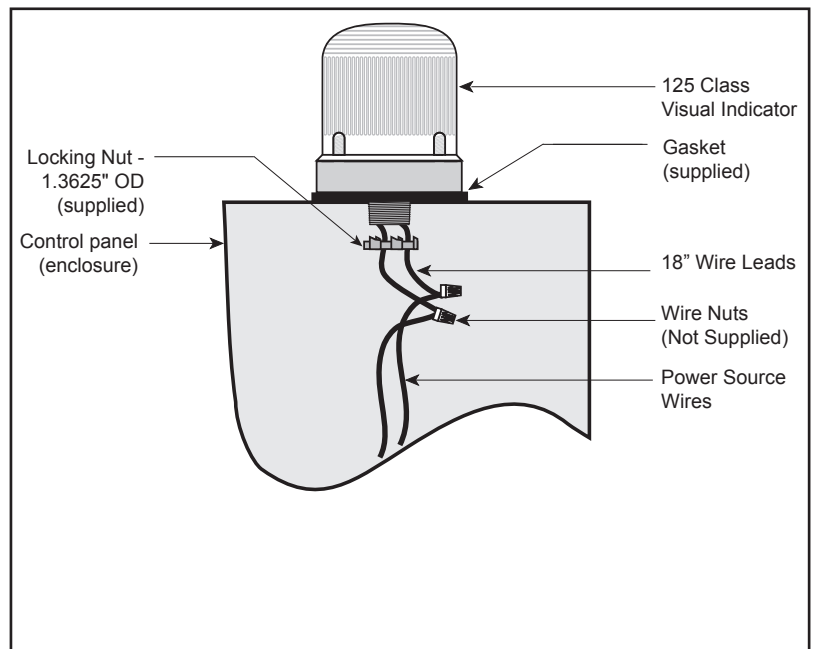
Figure 1. Conduit Mounting (3/4" Shown)

- 125 Class Visual Indicator
- 3/4" NPT external (shown) 1/2" NPT internal conduit (not supplied)
- 18" Wire Leads
- DC units; Red positive (+) AC units; Black Hot
- DC units; Black negative (-) AC units; White neutral
- Wire nuts (not supplied)
- Power Source Wires

Figure 2. Panel Mounting

- 125 Class Visual Indicator
- Gasket (supplied)
- Locking Nut - 1.3625" OD (supplied)
- Control panel (enclosure)
- 18" Wire Leads
- Wire Nuts (Not Supplied)
- Power Source Wires

Figure 3. Lamp Replacement

Figure labels:
- Lens
- Lamp (Halogen Lamp Shown)
- Lamp Socket
- O-Ring (in groove) (supplied)
- Base
- (4) Screws securiing lens to base
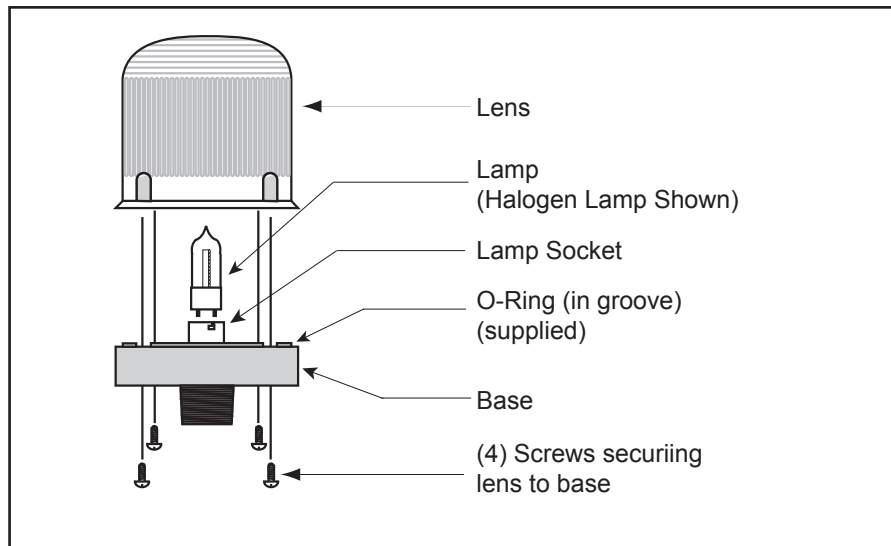
Table 1. Replacement Parts

Catalog Number (gray base)	Catalog Number (black base)	Replacement Lens	Replacement Lamp
Flashing Halogen			
125HALF*24D	125HALF*24DB	125L(*)	50LMP-9WH-D or industry trade no. 1692** (incandescent)
125HALF*24A	125HALF*24AB		
125HALF*120A	125HALF*120AB		50LMP-12WH-D or industry trade no. 15T7DC** (incandescent)
Steady-On Halogen			
125HALS*24D	125HALS*24DB	125L(*)	50LMP-9WH-D or industry trade no. 1692** (incandescent)
125HALS*24A	125HALS*24AB		
125HALS*120A	125HALS*120AB		50LMP-12WH-D or industry trade no. 15T7DC** (incandescent)
*Letter in this position indicates lens color: A - Amber, B - Blue, C - Clear, G - Green, R - Red **The listed non-halogen lamp may be used in place of the halogen lamp.			

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