

Installation Instructions for Catalog Series 58-N5-100WH AdaptaBeacon® Signals

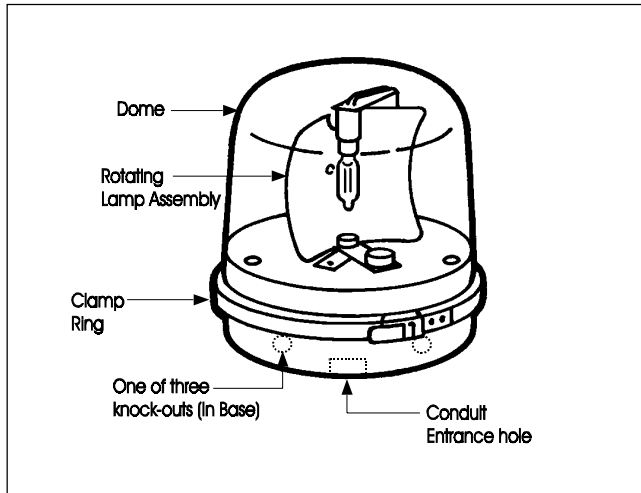


Figure 1. Catalog Series 58-N5-100WH Signal

Description

The AdaptaBeacon Catalog Series 58-N5-100WH signal is a UL Listed, general purpose visual signaling appliance. The signal is supplied in a UL Listed NEMA 4X enclosure. This signal is suitable for installation in the hazardous locations outlined below:

Class	Division	Group	Operating Temp. Code
I	2	A,B,C,D	T1 (450°C, 842°F)
II	2	F,G	T6 (85°C, 185°F)
III	1 and 2		T6 (85°C, 185°F)

The 58-N5-100WH contains a 100 watt halogen rotating beacon which is motor driven at 75 rpm. The signal operates on 120V AC, 50/60 Hz at 1.0 amp.

The 58-N5-100WH signal is suitable for indoor or outdoor (weatherproof) installation and utilizes a standard base that allows for direct surface mounting or mounting on 3/4" (19mm) NPT conduit. For outdoor installation, the signal must be conduit mounted.

Installation

! WARNINGS

To reduce the risk of ignition of hazardous atmospheres or risk of electrical shock, keep assembly tightly closed when circuits are energized. Disconnect power before disassembling enclosure or removing or replacing lamp.

To prevent leakage and a potential shock hazard, use care when disassembling the signal to prevent tearing the gasket.

Install in accordance with the latest edition of the National Electrical Code and local regulations.

1. Unfasten and remove the clamp ring. Lift off the dome.
2. Remove the three screws in the rotating lamp assembly mounting plate, lift the assembly off the base and pull the wire leads out of the conduit entrance hole in the base.
3. For indoor, non-hazardous installation, the signal may be direct surface mounted or mounted on 3/4" (19mm) NPT conduit. For outdoor (weatherproof) and hazardous location installation, the signal must be conduit mounted. Install the signal base using one of the following applicable mounting procedures.

Direct Surface Mounting (indoor, non-hazardous location installation only)

NOTE: For direct surface mounting, the signal must be installed with its dome facing either directly up or down.

- Remove the three mounting screw knock-outs from the bottom of the signal base.
- Route the field wiring from the 120V AC power source through the conduit entrance hole in the base.
- Fasten the base to the surface by installing three #10 wood screws (not supplied) or other suitable hardware through the knock-out holes in the base. Proceed to step 4 for wiring connections.

Conduit Mounting (hazardous location, indoor or outdoor installation)

! WARNING

To prevent leakage and a potential shock hazard, when mounting outdoors the signal must be installed with the lens or dome facing directly up.

- Route the field wiring from the 120V AC power source through the conduit entrance hole in the base.
 - Install the base on the conduit (not supplied).
4. Using wire nuts (not supplied), connect the field wiring to the signal's wire leads. Connect one field wire to a wire lead from each the motor assembly and the strobe tube. Connect the other field wire to the other wire lead from each the motor assembly and the strobe tube.
- Connect the ground wire to the ground screw in the base of the unit.
5. Place the connected wires inside the base of the signal and reassemble the signal on the base using the three screws removed in step 2.

6. Ensure that the dome gasket is properly installed and replace the signal dome and secure with the clamp ring removed in step 1.
7. Turn on power and verify that the signal operates properly.

Maintenance

! WARNINGS

To reduce the risk of ignition of hazardous atmospheres or risk of electrical shock, keep assembly tightly closed when circuits are energized. Disconnect power before disassembling enclosure or removing or replacing lamp.

To prevent leakage and a potential shock hazard, use care when disassembling the signal to prevent tearing the gasket.

Should the lamp fail to operate, check that power is on. If power is on, replace the lamp as directed in the Lamp Replacement section.

Lamp Replacement

! WARNINGS

To prevent electrical shock, do not remove or insert lamp when unit is energized.

1. Unfasten and remove the clamp ring. Lift off the dome.
2. Remove the lamp by pushing it up slightly and turning counterclockwise.
3. Refer to the "Replacement Parts" section and replace the lamp using the cover supplied with the lamp.
4. Ensure that the dome gasket is properly installed and replace the signal dome and secure with the clamp ring removed in step 1.

Cleaning

The signal's dome should be periodically cleaned to maintain optimum light visibility. Clean the dome with a soft cloth or sponge using water and a mild detergent.

1. Unfasten and remove the clamp ring. Lift off the dome.
2. Clean the dome with a soft cloth or sponge using water and a mild detergent.
3. Ensure that the dome is completely dry and the gasket properly installed. Replace the signal dome and secure with the clamp ring removed in step 1.

Replacement Parts	
Replacement lamps and domes may be obtained from your Edwards distributor. The catalog numbers are listed below.	
Replacement Component	Replacement Component Catalog or Part Number
Lamp - 100 Watt Halogen double contact, bayonet base	Phillips 100Q/CL/DC/120V or equivalent
Dome (Amber, Blue, Clear, Green, Magenta, or Red)	94DV2-D(*)
*Specify color of dome by adding the letter A-Amber, B-Blue, C-Clear, G-Green, M-Magenta or R-Red to this order number.	