

Installation Instructions

These instructions are for installing the Radionics D7030 8 Point LED Annunciator in a system controlled by a Radionics Fire Alarm Control Panel (FACP).

Description

The D7030 8 Point LED Annunciator is a UL-listed module that identifies the location of a fire alarm for up to 8 points. In addition to Power and Trouble LED's, the D7030 also has 8 point LED's that may be individually labeled. The D7030 mounts in a standard 3 gang box, and it connects to the FACP by 4 wires that link the D7030's terminal strip to the control panel (Option Bus A or B).

There are 15 annunciator addresses from which to select in order to set the D7030 annunciator. The annunciator must be programmed at the control panel using the Update Bus option in Programming Mode. Only one device can be supported by a single D7030 annunciator.

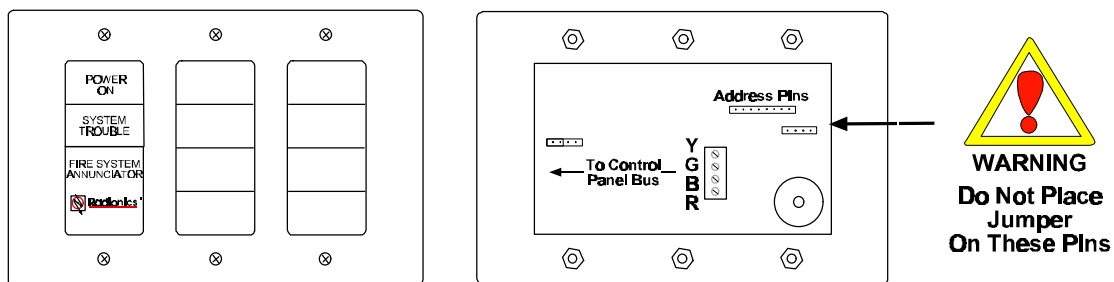


Figure 1: D7030 8 Point LED Annunciator



These instructions have been written to indicate procedures to follow in order to avoid damage to equipment.

Installation Standards

Install, test, and maintain these devices according to these instructions, NFPA 72, Local Codes and the Authority Having Jurisdiction. Failure to follow these instructions may result in failure of the device to report an alarm condition. Radionics is not responsible for improperly installed, tested or maintained devices.

Installing the D7030 in a system consists of:

- A. Removing Power from the Fire Alarm Control Panel (FACP)
- B. Mounting the D7030 8 Point LED Annunciator
- C. Setting the D7030 Annunciator Address
- D. Wiring the D7030
- E. Restoring Power to the FACP

A. Removing Power from the FACP

Remove AC power from the system at the dedicated 120 V AC breaker and remove the standby battery power before making or removing any connections to the FACP.



Inform the operator and the local authority before installing this module in an existing system. Disconnect all power to the Control Panel before installing this module.

B. Mounting the D7030 8 Point LED Annunciator

Note: Before mounting to the 3 gang box, the point labels need to be marked and inserted back into their respective slots.

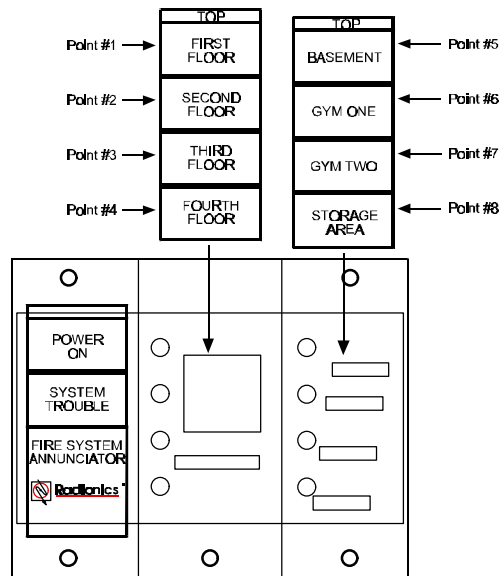


Figure 2: Point Label Location

The D7030 mounts in a standard 3 gang box. Once the labels are in place, set the annunciator in/over the 3 gang box. Then place the faceplate in position. Use the screws provided to secure the annunciator to the 3 gang box.

Note: The D7030 8 Point LED Annunciator should be mounted at entry locations and in plain view.

C. Setting the D7030 Annunciator Address

There are 15 possible annunciator addresses to select from when setting the D7030 Annunciator address.

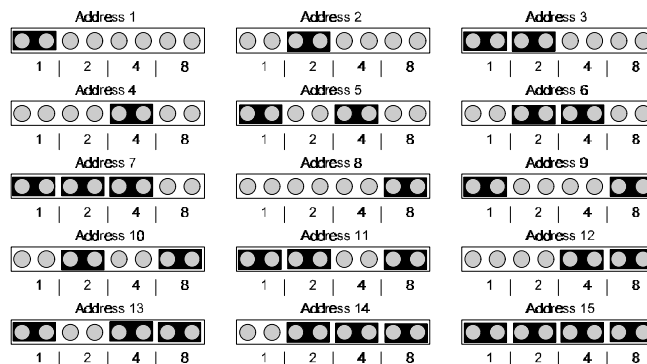


Figure 3: Annunciator Address Settings



The D7030 8 Point LED Annunciator must have its own unique address set with its address pins. The annunciator must also be programmed at the control panel using the Update Bus option in the Programming Mode. Each address can only support one device.

D. Wiring the D7030



Be sure all wiring is unpowered before routing.

To wire the D7030 Annunciator, route the wiring from the control panel (Option Bus A or B) through the 3 gang box knockout and to the annunciator terminal strip.

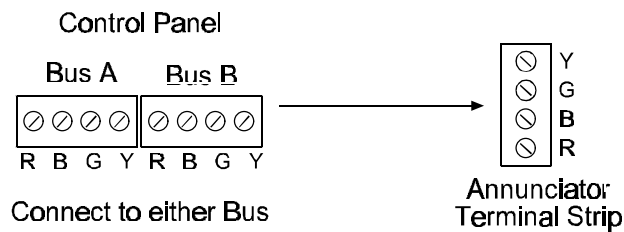


Figure 4: D7030 Terminal Strip Wiring

Three annunciators may be used on any single 500 foot (152.4 m) run of 18 AWG (1 mm) wire, or 1 annunciator on a 1,000 foot (304.8 m) run.



Be sure to secure the 3 gang box to the mounting surface when wiring has been completed.

E. Restoring Power to the FACP

Connect the standby batteries and close the 120V AC dedicated breaker that controls the power input to the FACP.

Specifications

Power Input

Operating Voltage	10.2 - 14.0 VDC
Standby Current	35 mA
Alarm Current	175 mA

Dimensions

Width	6.5 in. (16.5 cm)
Height	4.5 in. (11.4 cm)
Depth	¾ in. (1.9 cm)

Wiring Guidelines

Wire Gage	18 AWG (1 mm) is required for NEC-NFPA-70
Wire Type	non-shielded, 4-wire
Maximum number of annunciators per system	4
Maximum distance allowed between control and annunciators	1,000 feet (304.8 m)
Maximum distance of annunciator wiring per system	4,000 feet (1219.2 m)

UL Listings and Approvals

UL 864 Fire Alarm Control Unit Accessory