Honeywell

MORLEY IAS FIRE SYSTEMS

315-080

Remote Fire Annunciator

Product Installation Document

General

The 315-080 Remote Fire Annunciator is a compact, backlit LCD display designed for use with compatible FACPs (Fire Alarm Control Panels). The display mimics the FACP display and is capable of displaying English-language text of system point status including device type, independent point alarm, trouble or supervisory zone and custom alpha labels programmed into the FACP. Refer to the FACP manual installation section for detailed system information and wiring.

NOTE: Installation and wiring must be done in accordance with national and local wiring codes.

Specifications

■ TB1 Terminals 1 & 2

Operating Voltage Range: 18 VDC to 28 VDC
Current Consumption @ 24 VDC nominal (filtered and nonresettable):

- Normal/Standby (no activity): 37.0 mA
- Trouble Condition: 39.0 mA
- Alarm: 40.0 mA
- AC Fail (not backlit): 15.0 mA

■ TB1 Terminals 3 & 4

COMM-BUS rated at 5.5 VDC and 60 mA max.

■ Dimensions

6-7/8”W x 5-3/8”H x 1-3/8”D

Mounting

The 315-080 plastic enclosure can be surface or semi-flush mounted in a single, double or 4” square electrical box.

To mount the 315-080 enclosure:

1. Open the 315-080 cover by turning the key switch counterclockwise to the ON (Unlocked) position.
2. Push in the snap latch tab located on the right side while pulling the cover open.
3. Pull wire through 7/8” hole in backplate and feed through wire channel to lower left corner of backplate before routing to terminal block (refer to appropriate FACP manual).

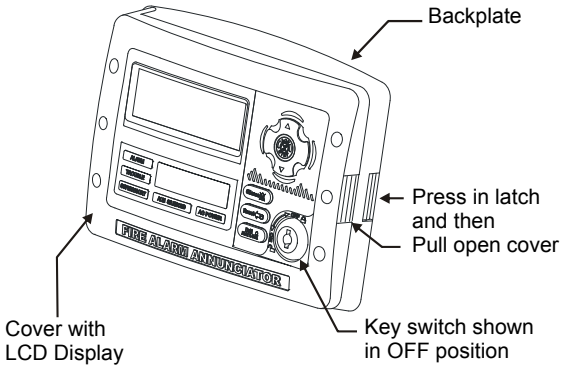

Figure 1 Opening the 315-080

4. The cover must remain attached to the backplate while mounting the annunciator to the electrical box/wall. The cover cannot be reattached or removed after the annunciator has been mounted.
5. If the cover should become detached from the backplate, reattach as shown below.

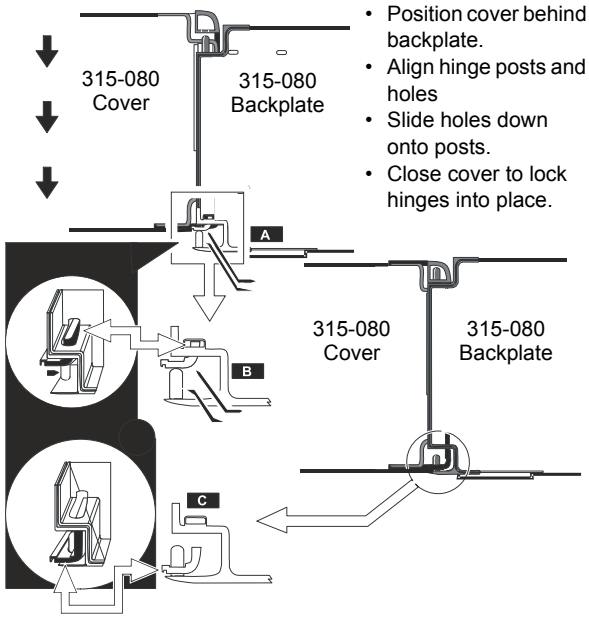

Figure 2 Cover Reattachment

6. Surface or Semi-flush mount the 315-080 to a single, double or 4” square electrical box. The ANN-SB80KIT-R is an available kit that contains two plastic backboxes that can be used to surface mount the 315-080.

Wiring the 315-080 to the FACP

Refer to Table 1.1 and Figure 3 for wiring connections.

315-080 Terminals (TB1)	FACP EIA-485 Terminals
Terminal 1 (-)	(-)
Terminal 2 (+)	(+)
Terminal 3 (A)	A (COMM-BUS)
Terminal 4 (B)	B (COMM-BUS)

Table 1.1 315-080 to FACP Connections

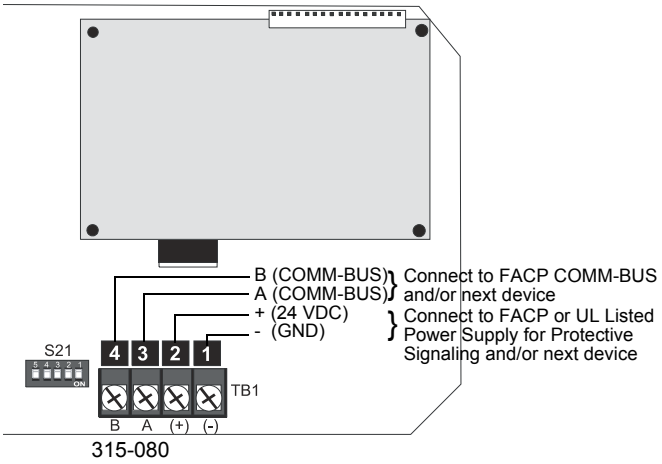

Figure 3 Wiring the 315-080 to an FACP

Notes:

1. All connections/sources are to be power-limited and supervised.
2. 12 - 18 AWG (0.75 - 3.25 mm2) wire for 24 VDC circuit is acceptable.
3. Power wire distance limitation is set by 1.2 volt maximum line drop from source to end of circuit.
4. Maximum distance from FACP to last COMM-BUS device must not exceed 6,000 feet (1,800 m). Refer to the Wiring Distance Table in the appropriate FACP manual for wire gauge and distance limitations.

Setting the DIP Switches

Each ANN-BUS device requires a unique address. DIP switch S21 on the 315-080 is used to set the address. This address will be displayed on the LCD display as the Station ID number.

A maximum of 8 devices can be connected to the FACP COMM-BUS communication circuit. COMM-BUS device addresses do not need to be sequential and can be set to any number between 01 and 08Note that 00 is not a valid address. The following illustrates the DIP switch settings for each address (ID Number):

ID Number (Address)	DIP Switch S21
(not valid) 00	
01	
02	
03	
04	
05	
06	
07	
08	

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