

315-040

LED Driver Module



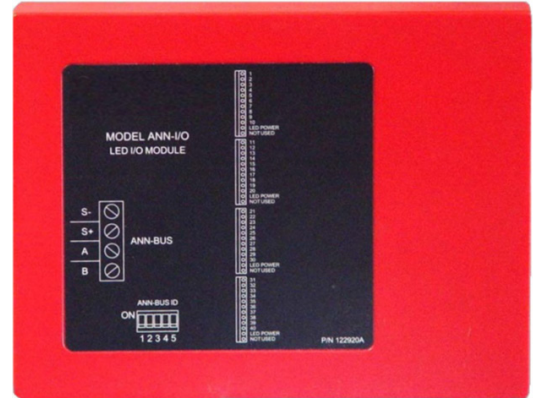
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General

The 315-040 is an LED driver module that can be used in a wide variety of applications including as an interface with the Fire Alarm Control Panel (FACP) to drive most customized graphic annunciators. It comes in a plastic enclosure that may be mounted inside a custom annunciator or accessory cabinet and can drive up to 40 LEDs.

The 315-040 and the FACP communicate over a two-wire serial interface employing the RS485 Repeater-Bus communication format. An additional two wires are used for 24-volt DC power. A single four-conductor unshielded cable may be used for both power and data communications.

Up to eight RS485 Repeater-Bus devices may be connected to the RS485 Repeater-Bus of each FACP.



KEY FEATURES

- 315-040 connects to the Repeater-Bus terminal on the FACP and requires minimal programming
- Each 315-040 module drives up to 40 LEDs
- Programmable to indicate activity for points or zones
- Compatible with Honeywell Morley STX and SMX fire panel models
- Can be remotely located up to 6,000 feet (1,829 m) from the panel
- May be powered by 24 VDC from the host FACP or by remote power supply (requires 24 VDC)
- Up to eight Repeater-Bus devices may be connected to the Repeater-Bus of each FACP

315-040 Technical Specifications

Maximum Repeater-Bus Voltage	24 VDC
Maximum Current	Alarm: 200 mA, Standby: 35 mA, Each LED: 10mA
Maximum wiring distance from FACP	6000 ft. (1829 m.)
Ambient Temperature	32°F to 120°F (0°C to 49°C)
Relative Humidity	93% ± 2% RH (non-condensing) at 32°C ± 2°C (90°F ± 3°F)
For use indoors	in a dry location
Connections to FACP	power-limited and supervised
External measurements	6.00" (15.2 cm.) high x 7.76" (19.7 cm.) wide x 1.46" (3.7 cm.) deep

Agency Listings and Approvals

The listings and approvals below apply to the 315-040. In some cases, certain modules may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL Listed:** S36108

The Repeater-Bus:

- **Powering the devices on the repeater-bus from auxillary power supply**
Repeater-bus devices can be powered by an auxiliary power supply when available panel power is exceeded. See facp manual for information.
- **Repeater-Bus device addressing**
Each Repeater-Bus device requires a unique address (ID number) in order to communicate with the facp. A maximum of eight devices can be connected to the FACP Repeater-Bus communication circuit. See the facp manual for more information.

For more information

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