Loop Isolator

Kidde Fire Systems

FEATURES

- **Automatically Protects Individual Devices From Short Circuit Faults on the Signaling Line Circuit**
- **Electrical Box or Detector Base Mounting Configurations**
- **Full Analog Display**
- **UL Listed**
- **ULC Approved**
- **FM Approved**
- **CSFM Approved**

DESCRIPTION

Isolator modules are automatic switches that open a segment of the Signaling Line Circuit (SLC) when a short-circuit fault is detected in that segment. The remainder of the Signaling Line Circuit continues to function normally and is unaffected by the short-circuit fault. The isolator modules will close and resume normal operation when the short-circuit fault is removed.

Isolator Module, P/N 74-200012-002, is supplied with a plastic cover plate for mounting to a single-gang electrical box. Isolator Module, P/N 74-200012-004, is designed to mount in the electrical box for the Model 6SB (legacy) detector base. Depending on the type of loop isolator, mount the unit to the gang box using 2 screws or twist the loop isolator onto the detector base.

Both types of loop isolators are fitted at convenient positions to protect each individual device. The number of devices between each isolator must not exceed 30. The maximum number of isolators that can be used per SLC is 20.

WIRING STYLES

The loop isolator can be used with the Class A, Class B and Class X wiring styles.
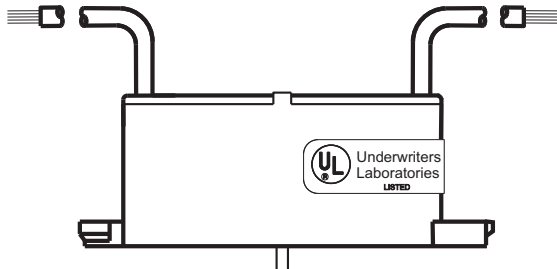

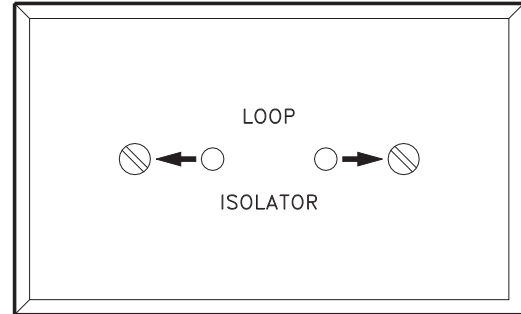Figure 2. Loop Isolator, 6-inch Legacy Detector Base Mount

Figure 1. Loop Isolator, Stand-Alone

LOOP ISOLATOR RESISTANCE

Each loop isolator has a typical in-line resistance of 0.12 ohms. Therefore, on systems using loop isolators, the maximum SLC line resistance of 26 ohms must be reduced by 0.12 times the number of loop isolators before using it to calculate the maximum wire length.

ORDERING INFORMATION

Description	Part Number
Loop Isolator - 1 Gang Box mounted	74-200012-002
Loop Isolator - Detector Base mounted	74-200012-004

COMPATIBLE CONTROL UNITS

Fire Alarm Control Unit (FACU) Type	Current Product	Legacy Product
Single Loop	ARIES®-SLX	ARIES FenwalNET™ 6000 PEGAsys™* FenwalNET 2000*
Multiple Loop	ARIES®-MLX	ARIES NETLink FenwalNET 8000-ML PEGAsys* FenwalNET 2000*

* FACUs running software revision 82.4 are compatibility-tested but not agency listed with the device(s) in this data sheet.

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