

AS6003-00

Short Circuit Isolator



Back side of a AS6003



Standard Features

- Can be placed at any location on SLC loop
- Checks the line for short circuit at power up; if the line is normal, the relay will be returned on. If a line short is detected, the relay remains open
- Indication of short circuit by a yellow LED

Application

The Avenger systems AS6003 Short Circuit Isolator provides the capability of allowing NFPA SLC Style 7 installations.

Operation

Class A Configuration Wiring:

The **AS6003** short circuit isolator should be located between any devices on the SLC loop. In the event of a short on the SLC loop, the two adjacent isolators (closest isolators to the left and right of the shorted section) will activate and their respective LED indicators will be turned on. All devices between the active short circuit isolators will be dead. This will prevent an entire loop failure.

Upon removal of the short condition, the **AS6003** devices will automatically restore the entire loop to the normal operating state.

Class B Configuration Wiring:

The **AS6003** short circuit isolator should be located between any devices on the SLC loop. In the event of a short on the SLC loop, an isolator closest to the shorted section will activate and the LED will be turned on. **All the devices beyond the shorted section will be disabled.**

Upon removal of the short condition, the AS6003 will automatically restore the entire loop to the normal operating state.

For the best performance, use class A configuration.

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

For more information, contact Avenger. Phone: 800.270.3066

