

CONVENTIONAL - Zonal Display Unit Model S300ZDU

Overview

Features

- Compatible with Series 300 Conventional
- Detector Range
- Displays numeric address of the detector in alarm
- Powered directly from the detector circuit
- Provides quick and accurate information about the location of a fire
- Displays multiple alarms
- Displays short circuit wiring fault conditions



Description

The S300ZDU Zonal Display Unit forms part of the Series 300 detector range. This range of conventional detectors has been produced using the latest in manufacturing and design techniques, pushing out the boundaries of existing conventional detector technology. With its multitude of innovative features, Series 300 is a detector range which 'acts conventionally, thinks intelligently'.

The S300ZDU is a wall mounted module that connects directly between the Fire Control Panel and Series 300 detectors on each detector circuit (see figure 1 for wiring diagram details). Due to the advanced nature of the Series 300 range, when a detector goes into an alarm condition it transmits a numeric address to the S300ZDU. The S300ZDU displays the detectors' numeric address on its 4 digit LCD display. In the event that more than one detector on the same zone goes into alarm, the S300ZDU will scroll through all of the appropriate addresses. This unique feature differentiates Series 300 from all other conventional fire alarm systems, providing quick and accurate information about the location of the fire (see figure 2 - S300ZDU display details).

The S300ZDU also has the ability to display short circuit wiring fault conditions, helping to increase the integrity of the Fire Alarm System.

All of these advanced features are achieved without the need of a local power supply. The S300ZDU is completely transparent to the Fire Control Panel. Therefore, the Fire Control Panel can continue to provide zonal indication of an alarm condition while the S300ZDU communicates with the Series 300 detectors to display the address of those detectors in alarm.

To capitalise on the advanced features the S300ZDU can provide in a fire alarm condition, placement of the unit is vitally important. Therefore, we recommend that an S300ZDU be placed at the point of entry to each fire zone.

All System Sensor products are covered by our extended 3 year warranty.

Architect/Engineer Specifications

S300ZDU Zonal Display Unit

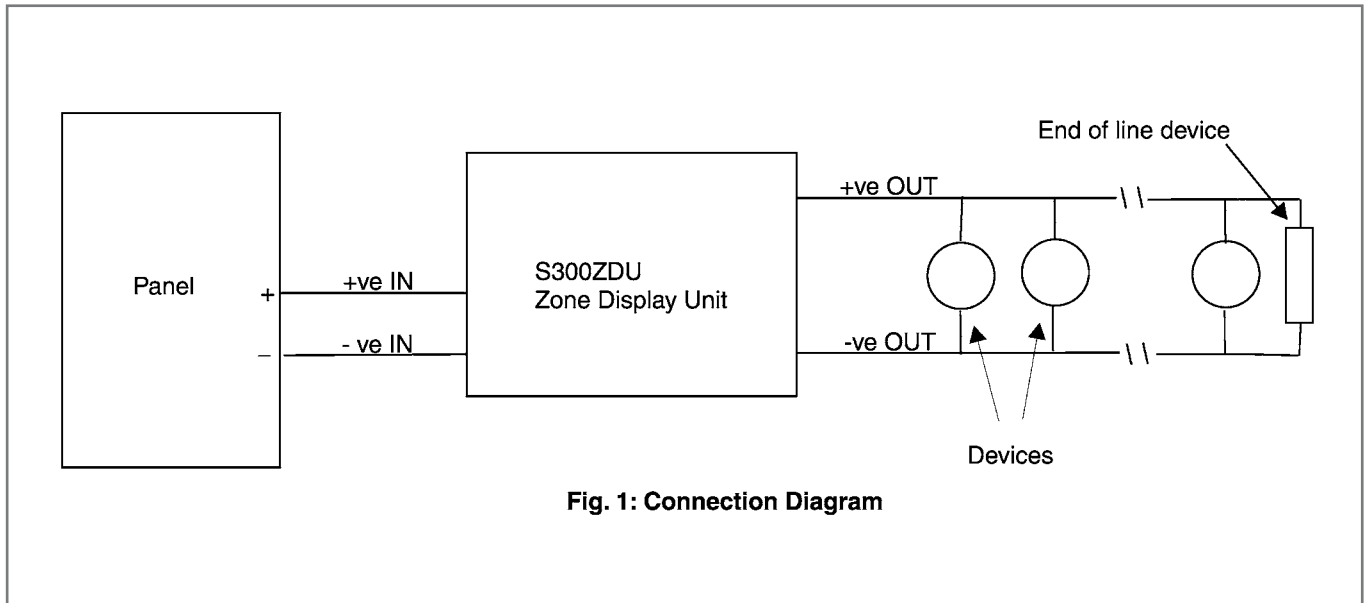


Fig. 1: Connection Diagram

Electrical Specifications

Operating Voltage Range	15 to 29VDC
Maximum Average Current	100µA * - Does not include detector current

Environmental Specifications

Application Temperature Range (see note)	-10°C to 50°C
Humidity	5% to 95% Relative Humidity (non-condensing)

Mechanical Information

Height	132mm
Width	137mm
Depth	40mm
Weight	170g
Max Wire Gauge for Terminals	0.4mm ² to 2.0mm ²
Colour	Pantone Warm Grey 1C
Material	Bayblend FR110

Display Details

DISPLAY	DESCRIPTION
A 01	The detector number 01 is in alarm.
A 01	The detector number 01 is the first detector to indicate an alarm
A --	The Zonal Display latched an alarm but was not able to recognise the device address.
F SC	Short Circuit detected.
F CA	Panel or wiring critical failure.

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 Installation information: in order to ensure full functionality, refer to the installation instructions as supplied.