

Remote Display Unit



AIR
Intelligence™

Effective: September 2009

System Monitor at Your Fingertips—Remotely access alarm status of network smoke detection devices.

The AIR-Intelligence Remote Display Unit (RDU) will mimic the display of an AIR-Intelligence detector connected to it via the RS-485 SenseNET bus. A bank of switches selects the detector display to be repeated.

The unit consists of a 3U high metal front panel plate with a graphics overlay and a main PCB which contains terminals for power supply and RS-485 highway. It can be rack mounted or housed in a metal wall mount enclosure as shown below.

The Remote Display Unit is fully compatible with all AIR-Intelligence detectors and devices such as the Command Module for interconnection of large quantities of AIR-Intelligence detection devices.

Key Features:

- Mimics the displays of the ASD-640, ASD-320 and the ASD-160H detectors.
- 26 bargraph segments with four (4) separate alarm indicators.
- Available in single wall mounted enclosure or in a 19" rack enclosure accommodating up to eight (8) RDUs.
- Compatible with SenseNET™ bus (RS-485 data highway).



Cabling

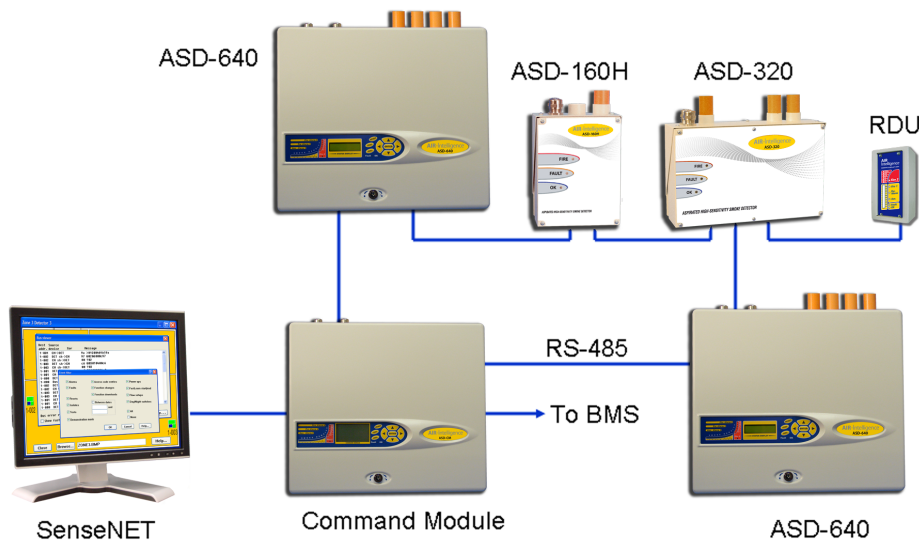
To remotely mount the RDU a maximum total length of cable that can be used is 4,000 ft. (1,200 m). An optional repeater unit is available if a longer cable runs are needed.

Power Supply

The power requirement for the RDU is 40mA max at 24 volts \pm 10%.

Remote Display Unit

Networking



Specifications

Nominal Operating Voltage	24 volts \pm 10%
Maximum Input Voltage Range	18 to 30 volts
Maximum Operating Current	40 mA
Operating Temperature Range	14° to 140°F (-10° to 60°C)
Storage Temperature Range	-13° to 185°F (-25 to 85 °C)
Operating Humidity Range	0 to 90% (non-condensing)

Applications

- Aircraft Hangars
- Airport Terminals
- Anti-Smoking Enforcement
- Atria
- Cable Tunnels
- Ceiling Voids & Raised Floors
- Cleanrooms
- Coal Conveyers
- Computer Cabinets
- Computer Rooms
- Corrections Facilities
- Electronic Data Processing (EDP) Centers
- Engine Rooms
- Escalators
- Flour Mills
- Food Preparation Areas
- Freezer Warehouses
- Heritage Buildings
- High-End Residential
- Hospitals
- Hotel Lobbies
- Metro Tunnels
- Museums
- Paper Mills
- Record Storage Facilities
- Recycling Centers
- Semiconductor Fabrication
- Telecommunications Facilities
- Textile Areas
- Tobacco Plants
- Warehouses and Distribution Centers
- Wood Recycling

Kidde Fire Systems
400 Main Street
Ashland, MA 01721 USA

Tel.: 508.881.2000
Fax: 508.881.8920
www.kiddefiresystems.com

 **Kidde Fire Systems**

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