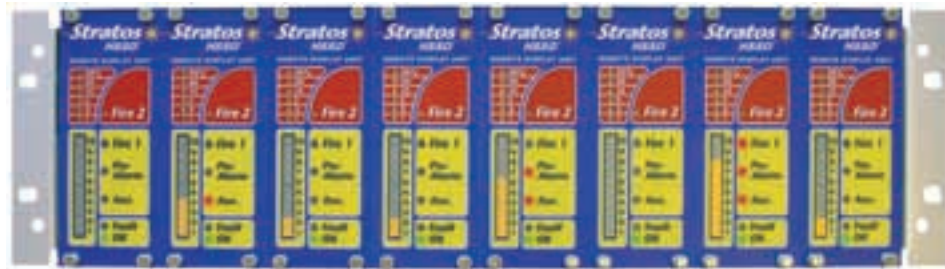


# Stratos®

## Remote Display Units

ASPIRATING SMOKE DETECTOR



### Key Features

- Mimics the displays of Stratos-HSSD and Stratos-Micra Detectors
- 26 bargraph segments with 4 separate alarm indicators
- Available in single wall mounted enclosure or in a 19" rack enclosure accommodating up to 8 RDUs
- Compatible with SenseNET™ bus (RS 485 data highway)
- Remote relay board option available with 4 alarms and common fault

### Description

- RDU will mimic the display of a Stratos detector connected to it via the RS485 SenseNET bus. A bank of switches selects the detector display to be repeated.
- The unit consists of a 3 U high metal front panel plate with a graphics overlay and a main PCB which contains terminals for power supply and RS485 highway.
- An optional PCB provides volt-free relay contacts to provide alarm switching on alarm conditions of the detector(s).

## SPECIFICATIONS

### Remote Display Unit

Nominal operating voltage	24 volts ± 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

### Optional Relay Card

Maximum voltage	30 volts DC
Maximum power	10 W
Maximum current	0.4 A
Maximum life expectancy	1 x 10 <sup>8</sup> activations
Maximum contact resistance	100 milliohms

### Cabling

The SenseNET data cable should be 120Ω screened twisted pair such as Belden 9841 24 AWG.

The RDU has no built-in repeater, so the maximum total length of cable that can be used is 3937ft (1200m). An optional repeater unit is available if a longer cable runs are needed.

### Connections

0V	Power supply 0 volts. This must NOT be connected to data SCN.
+24V	Power supply 24 volts input
SCN	Data cable screen
A	Data loop A circuit
B	Data loop B circuit

### Power supplies

The power requirement for the RDU is 40mA max at 24 volts ± 10%. Failure of power supply to the RDU will cause the fault relay contact to open (if the optional relay card is fitted).

## ORDERING INFORMATION

Part No.	Description
30802	Remote Display Unit for 19" rack mounting
30803	Remote Display relay board
30814	19" sub frame suitable for mounting 8 RDUs
30812	Infill plates in brushed aluminium for spare slots
30813	Infill plate as above with RS232 port for PC interface
30817	Single RDU wall mounting enclosure



AirSense Technology USA Limited

297 Kingsbury Grade • Suite D • P.O. Box 4470 • Lake Tahoe • Nevada • 89449 • USA  
 Tel: 775 832 5327 Fax: 503 641 1253  
 e-mail: sales@airsense.us • www.airsense.us