

# Stratos HSSD<sup>®</sup>

HIGH SENSITIVITY SMOKE DETECTOR

## RDU MINI-GUIDE

This guide outlines the remote display unit (RDU) and gives a brief indication of what to do when the lamps illuminate. This is not a full technical or installers manual.

Equipment may vary according to specification. If there is any doubt please contact your supplier.

LM 80013 Issue 1



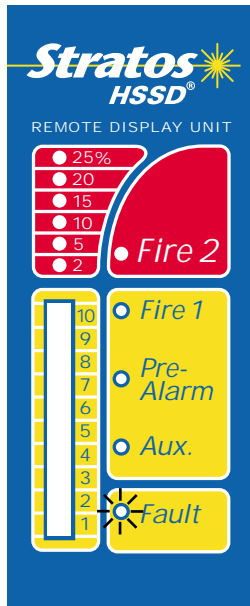
THE QUEEN'S AWARD  
FOR TECHNOLOGICAL  
ACHIEVEMENT

[WWW.UKPANELS.COM](http://WWW.UKPANELS.COM)



Quality system cert. no. 404  
Assessed to ISO 9001

# What do the lights mean?

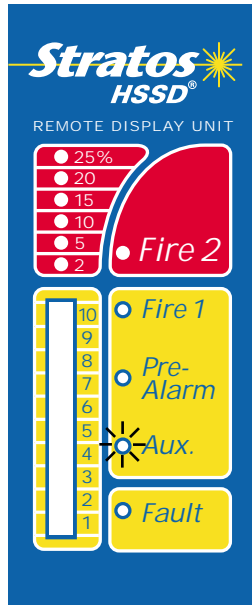


This displays purpose is to indicate the condition of a single detector unit.

If the yellow light comes on a fault condition will be generated. This fault condition should normally be transmitted to the Fire Alarm Indicator Panel and a pre-selected routine will automatically be carried out.

It is important to understand that if the yellow fault lamp is illuminated, then the area in question may not be protected by the Stratos® system.

# What to do if red AUX. alerts



The **AUX** alarm may be programmed to operate between bargraph level 2 to 10. It is an alarm which may be set to give a 'pre' pre-alarm, alternatively it may be used as a post FIRE warning indicator. Actions in the event of an AUX alarm will therefore vary according to the programmed setting of the AUX alarm in the protected area.

The AUX alarm is:-

**USED/UNUSED**

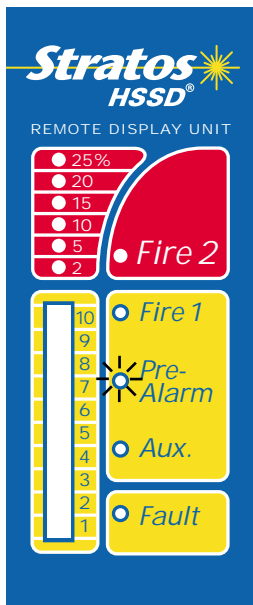
The AUX alarm is set at level No:- 2 3 4 5 6 7 8 9 10  
(Circle appropriate number)

The AUX alarm is used to:-

\_\_\_\_\_

\_\_\_\_\_

# What to do if red Pre-Alarm alerts



This alarm level can be programmed to operate between bargraph levels 4 to 8. If the red **PRE-ALARM** light operates, this signal will often be transmitted to the Fire Indicator Panel. Actions in the event of the Pre-Alarm operating will depend upon the application, but typically it will involve summoning assistance to find the source of smoke. (*see note*)

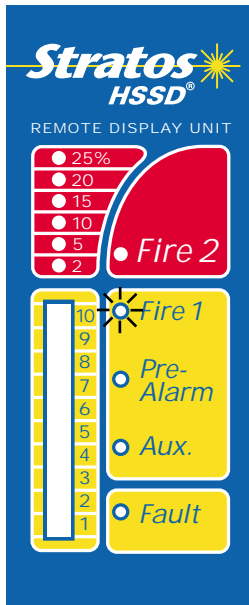
It will be useful to verify if the bargraph is still illuminated for the area in which the alarm is generated. If the yellow bargraph is no longer illuminated it may mean that it was a transient burst of smoke which is no longer present. If it remains illuminated, then it is likely that an incipient fire is present in the area, or an unusual smoke producing process is taking place.

Extra audible or visual alarms may now be sounding which are connected to the Fire Indicator Panel. Urgent action is necessary.

You should contact your Supervisor or Floor Fire Warden immediately, informing them of the problem.

**NOTE** - *Because the Stratos® system is capable of detecting extremely low levels of smoke, an alarm condition need not mean that the area needs to be immediately evacuated. The staged alarm facility may be configured so that increasing levels of alarm can signal an increasing degree of danger.*

# What to do if red FIRE 1 alerts



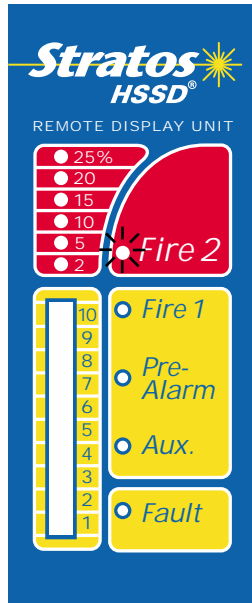
This alarm level can be programmed to operate between bargraph levels 8 to 10. If the red FIRE light operates, this signal should always be transmitted to the Fire Indicator Panel. It is now usually time to commence evacuation procedures. Other actions in the event of the FIRE lamp operating will depend upon the application, but typically it would involve: power down of equipment, calling Fire Brigade and input to first leg of automatic Fire Extinguishing systems. Follow instructions given to you by your Fire Warden. Act strictly in accordance with the Emergency Plan for your building or area.

As with the PRE-ALARM level, if no obvious smoke is present in the area, it may be useful to verify if the bargraph is still illuminated for the area in which the alarm is generated. If the yellow bargraph is no longer illuminated it may mean that it was a transient burst of smoke which is no longer present. If it remains illuminated, then it is likely that an incipient fire is present in the area, or an unusual smoke producing process is taking place.

Extra audible or visual alarms will normally be sounding within the area which are driven from to the controlling Fire Indicator Panel. Urgent action is necessary.

**NOTE** - Because the Stratos® system is capable of detecting extremely low levels of smoke, The staged alarm facility may be configured so that increasing levels of alarm can signal an increasing degree of danger.

# What to do if red FIRE 2 alerts



If the red **FIRE 2** light operates, this signal may be transmitted to the Fire Indicator Panel. Actions in the event of the **FIRE 2** lamp operating will depend upon the application, but typically it would involve; power down of equipment, calling Fire Brigade and input to first leg of automatic Fire Extinguishing systems. Follow instructions given to you by your Fire Warden. Act strictly in accordance with the Emergency Plan for your building or area.

As with the PRE-ALARM level, if no obvious smoke is present in the area, it may be useful to verify if the bargraph is still illuminated for the area in which the alarm is generated. If the yellow bargraph is no longer illuminated it may mean that it was a transient burst of smoke which is no longer present. If it remains illuminated, then it is likely that an incipient fire is present in the area, or an unusual smoke producing process is taking place.

Extra audible or visual alarms will normally be sounding within the area which are driven from to the controlling Fire Indicator Panel. Urgent action is necessary.

**NOTE** - Because the Stratos® system is capable of detecting extremely low levels of smoke, The staged alarm facility may be configured so that increasing levels of alarm can signal an increasing degree of danger.

**Your Protected Areas are:**

Stratos™ Protects:

---

---

---

Your Fire Officer is: \_\_\_\_\_

Your Area/location is: \_\_\_\_\_

Your Emergency/assembly area is: \_\_\_\_\_



AirSense Technology Limited  
71 Knowl Piece • Wilbury Way • Hitchin • Hertfordshire • SG4 0TY  
Tel: 01462 440666 • Fax: 01462 440888  
e-mail: sales@airsense.co.uk

AirSense Technology Benelux BV  
Noordkade 64 • Gebouw C3, 2741 EZ • Waddinxveen • Nederland  
Telephone: +31 182 635696 • Facsimile: +31 182 635691  
e-mail: schakel@cistron.

In line with continuous product improvement we reserve the right to modify or update specifications without notice.