

SIDE VIEW

MODELS S550B, S552B, AND S556B

Models S55XB work virtually the same as older S55X models except that (a) the S550B and S552B have an analog signal output capability and (b) a numeric display is provided in the rear to monitor the UV and IR count rates divided by 100. For the S550B the UV count rate is shown in the upper two green digits and the IR count rate is shown in the lower two red digits. The S552B has only one red 2-digit display and the S556B has only one green 2-digit display.

The analog signal is put out as a current to ground. To monitor the current disconnect the shield at the signal processor end of the cable and place a resistor of up to 1000 Ohms between the shield and SGND and monitor the voltage across the resistor.

If the internal temperature exceeds 70°C, the temperature will be displayed once every 4 seconds.

If "99" is displayed, this means that the IR sensor is saturating; either reduce the IR gain or install an orifice disc.

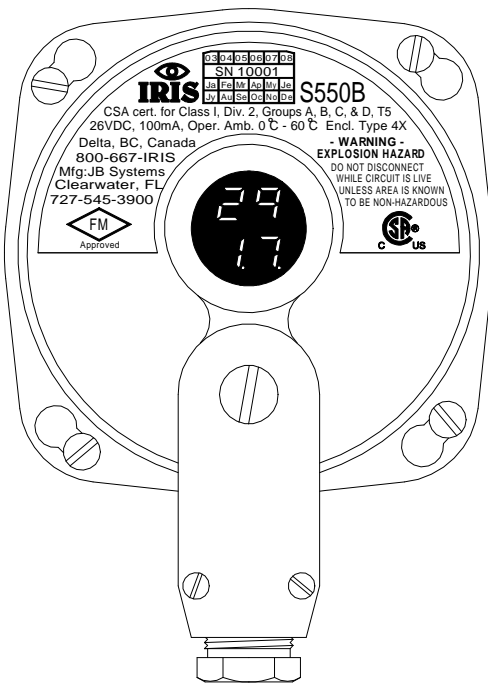
The S55XB viewheads are compatible with the P52X and P53X families of signal processors. The P52X signal processors recognize these viewing heads upon power up as "S550", "S552" or "S556". The P53X signal processors recognize the viewing heads as "S550B", "S552B" or "S556B".

VIEWING HEAD CABLE: When using S5XX view heads in ordinary locations, use IRIS C-328 cable or another cable running in a metal conduit to the control room or signal processor enclosure, or use IRIS C-330 cable or a shielded cable with UL ITC and CSA CIC (C22.2 No. 239) ratings without conduit. In hazardous locations the above cabling specifications also apply, except that if conduit is used with C-328 or another cable, it must be sealed at both ends.

Contact information:

Sales and Applications:
 IRIS Systems Inc.
 #7583 Vantage Place
 Delta, B.C. Canada V4G 1A5
 Ph: 800-667-IRIS
 Ph: 604-584-4747
 Fax: 604-581-9790

Manufacturing Facility:
 JB Systems, Inc.
 4944 113th Avenue N.
 Clearwater, FL 33760
 Ph: 727-545-3900
 Fax: 727-547-9589



REAR VIEW

Revised: 21 November 2005