

# Sunshine Sensors BF2 and BF3

## Precision Resistors for BFDL cables

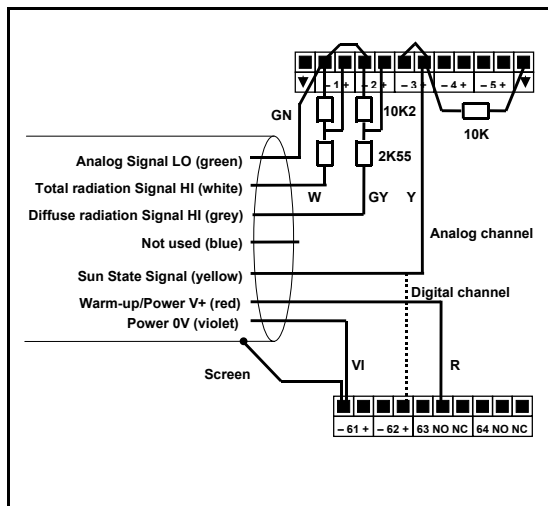
The BFDL logging cables are used for connecting the Sunshine Sensor to a data logger.

Three packs of precision resistors are included with the cable. These are for use with the Delta-T Logger DL2e.

Two pairs of resistors with values of **2.55 kOhms** and **10.2 kOhms** are used as precision voltage attenuators. These are for the Total and Diffuse analogue outputs of the Sunshine Sensor. They reduce the maximum output voltage by a factor of 0.8 to 2096 mV, so that the logger input voltage is not exceeded.

One precision resistor, of **10 kOhms**, is supplied for use with the Sunshine state output. It enables the digital output to be measured by an analogue channel on the DL2e logger to give a sunshine hours output.

An example wiring schematic for the BF3 is shown below. Full details are given in the BF3 User Manual (v1.0 p21). Wiring for the BF2 is similar. Full details are given in the BF2 User Manual Wiring Addendum (document code BF2-ADD-1.0). For full details of the DL2e logger sensor codes for the BF2 and BF3, please refer to the logger Ls2Win software, in the on-line Help.



BF3 Wiring Schematic for DL2e