



LIGHT

WIRING CONNECTIONS FOR: SKR 1850A Amplified Voltage Output Sensors

These models have an integral amplifier to give outputs in millivolts. The gain of this amplifier and hence the output in millivolts per unit of light will vary from unit to unit. The scaling (millivolts/light units) is given on the calibration certificate for each channel of the sensor.

Models with up to a 0 - 2 volt output require a power supply between 5 and 15 volts.
Models with up to a 0 - 5 volt output require a power supply between 9 and 15 volts.

The current required is less than 3mA. The power should be applied to the amplifiers at least 0.5 seconds before readings are taken.

SKR 1850A, SKR 1850D/A, SKR 1850ND/A Amplified Voltage Output Sensor

Wire Colour	Function
Grey	Cable screen / sensor body
Blue + black	Power supply ground
Violet + green	Sensor signal ground
Red	Power supply positive
Brown	Channel 1 positive voltage output
White	Channel 2 positive voltage output
Orange	Channel 3 positive voltage output
Yellow	Channel 4 positive voltage output

SKR 1850A/X, SKR 1850D/A/X, SKR 1850ND/A/X Amplified Voltage Output Sensor with Extension cable EXT/4

Wire Colour	Function
Brown	Cable screen / sensor body
Red	Power supply ground
Orange	Sensor signal ground
Yellow	Power supply positive
Green	Channel 1 positive voltage output
Blue	Channel 2 positive voltage output
Violet	Channel 3 positive voltage output
White	Channel 4 positive voltage output

