



# Global radiation sensor



The Global Radiation Sensor GBS01 was invented for solar radiation detection in conjunction with the UVR control units. This sensor facilitates system start-up, allowing more accurate “upshifting” to the priority consumer in multiple circuit solar systems. A collector tracking system can be built when using two sensors. It can also be applied for pure measuring purposes due to its accuracy.

The Global Radiation Sensor has the following features:

- detection across a broad wavelength range
- linear measuring range up to 1,400 watts/m<sup>2</sup>
- calibrated by pyranometer as comparison standard
- accuracy: +- 5% plus +-50 watts
- output signal corresponds to that of a temperature sensor KTY (10W = 1K)
- connection to an undefined sensor input of the controller is possible, while observing the polarity **blue = earth, brown = sensor input**
- cable length: 2 m

Dimensions:

Width: 43.5 mm, length: 61 mm, depth: 14.5 mm

## Circuit diagram:

