

BPD-510 series

Low Voltage Daylight Sensor



OVERVIEW

The BPD-510 series member of the TRANS family is a low voltage daylight sensor designed to provide digital and analog output for automatic daylight controls through the connected Power Pack or panel system.

This closed loop daylight sensor employs a cutting edge digital ambient light sensor (ALS) with an advanced algorithm to constantly measure the ambient light level in the controlled area. When the ambient light level is lower/higher than the set value for a period of time, the sensor will automatically engage/disengage its isolated dry contact output to turn the connected light ON/OFF.

In addition to the digital output, the sensor also provides 5 different 0-10V analog output ranges pre-settable via Accu-Set potentiometer to report the local ambient light level in timely basis for BMS control.

FEATURES

- Digital data control ambient light sensor
- Human-eye matching spectral response
- Sensor operation LED indicator built-in
- 12~24VDC low voltage power operation
- Isolated dry contact for on/off switching
- 0~10V present ambient light level output
- Accu-Set digital on/off threshold settings
- Available with variety of mounting options
- Push-in terminal block for easy connection
- 5 different measuring ranges selectable

APPLICATION

The BPD-510 series daylight sensor can be used in various applications to meet the requirements for daylight harvesting in areas defined as daylight control zones.

- Educational
- Industrial/retail
- Public Buildings
- Commercial

