

LOW CURRENT PHOTOELECTRIC BEAM SENSOR (INTELLIGENT)

CE  PB-IN-75SW : Outdoor 250ft. (75m)



Patent registered : 1
 Patent pending : 2
 Utility model pending : 7
 Design registered : 1

POLE COVERS SOLD SEPARATELY

A HYBRID LOW CURRENT PHOTOELECTRIC BEAM SENSOR DESIGNED FOR SOLAR APPLICATION.

SYNCHRONIZED HIGH POWERED BEAMS

100 times sensitivity margin and 10 times distance margin by using double modulation and Phase Locked Loop (PLL) circuit. (patented)

- * External light compensation circuit provides excellent tolerance against sun light, automobile, fluorescent and mercury lights.
- * Upper and Lower beams are "and-gated", which helps to prevent false alarms from falling leaves and small animals.

FOUR FREQUENCIES SELECTION

4 separate choices of frequency avoids cross-talk in stacked or long linear installations.

LOW CURRENT CONSUMPTION

Low current consumption design for use with solar panels and low current output control panels.

Under 6mA when used DC6V. (approx. 3.7mA for transmitter only)

RECEIVING LEVEL INDICATION FUNCTION

- * Sensitivity attenuation LED
Lights when beam is attenuated. Convenient for checking sensitivity margin after putting cover on.
- * Monitor jack output
Tester to measure receiving level is available on the market, therefore axis adjustment can be done correctly.

RESPONSE TIME

Response time can be field advised from 50ms-700ms.

PROTECTION AGAINST FROST/DEW

Special front cover hood design prevents false alarms when the cover is coated with frost or dew.

ENVIRONMENT MONITOR

Annunciation by relay output of specific low signal level due to fog, rain or snow.

DESIGN FEATURES

- * Extensive Beam alignment adjustment. (Horizontal $\pm 90^\circ$, Vertical $\pm 10^\circ$)
- * Tamper output for high security.
- * Strong PC resin used for cover.
- * Automatic gain lock.



Application