



Introducing the **BED-500** series



A remote programmable daylight sensor featuring SmartDIM continuous dimming control

The premier sensor specialist, IR-TEC introduces probably the first 2-way IR remote programmable daylight sensor in the world featuring multi-mode SmartDIM* for continuous dimming or StepDIM control. Combine the BED-500 with standard low voltage occupancy sensors and solve the new Title 24 continuous dimming needs without a costly room controller.

This SmartDIM daylight sensor provides an isolated dry contact for light switching via a power pack or building management system, and a dynamically changing 0-10V output for continuous dimming control or a fixed 0-10V for multi-level step dimming control. All sensor settings can be easily done via a 2-way IR remote programmer.

* SmartDIM is a state-of-the-art continuous dimming control technology, developed by IR-TEC, which is capable of constantly regulating the output of dimmable lighting by sensing the light level change in the space, thus maintaining the overall ambient light level within a preset range.

FEATURES

- **Digital data control ambient light sensor built-in**
Digital data control ambient light sensor provides dynamic sensing performance in response to the changes of ambient light level, thus creating a smooth dimming control that is not distracting to the occupant.
- **Beeping and light flashing acknowledgement**
The sensor will respond with beeping to acknowledge the receipt of data, and flashing the connected light to acknowledge completion of a successful setting upload.
- **Multi-mode SmartDIM daylight harvesting control**
The BED-500 series can be programmed to automatically control the output level of connected lighting via a dynamically changing 0-10V to maintain the overall ambient light level with a preset range as mode selected.
- **Multiple fixture integration and mounting options**
Like all sensors in the TRANS family, the BED-500 series is also available with a variety of mounting options, including individual fixture integration, IP-66 fixture integration, ceiling surface/recess mount, and junction box mount.
- **2-way IR remote programmable sensor setting**
Setting a large number of installed sensors, especially high bays, is a time consuming and expensive job. All sensor settings can be saved in the remote to allow quick programming via an intuitive 2-way IR handheld remote from the floor.
- **Cost effective CA Title 24 compliant solution**
The BED-600 in combination with low voltage occupancy sensor, power pack, and push-button switch can solve your Title 24 vacancy and continuous dimming requirements for a fraction of the cost.

Smart Sensor for Smart Lighting

BENEFITS

- **Save time thru remote setting from the floor**
 - **Achieve the highest level of energy savings**
 - **Increase productivity and occupant comfort**
- **ASHRAE 90.1 & CA Title 24 code compliant**
 - **Help obtain the highest building sustainability**

APPLICATIONS

- ☒ **Daylight Harvesting Control with 0-10V Continuous Dimming**
- ☒ **Daylight Harvesting Control with 0-10V Multi-level Step Dimming**



ORDERING INFORMATION

BED-500Sx : Sensor comes with lead wires and x-mount

Mounting Option	x-mount
Fixture Integrated	F
IP-66 Fixture Integrated	W
Fixture External	E
IP-66 Fixture External	P
Ceiling Surface	S
Junction Box	C
Ceiling Recess	R