



Introducing all new TRANS daylight sensors from IR-TEC

To fulfill the increasing demand for daylight harvesting in the lighting control market, IR-TEC, a specialist in sensor and control solutions since 1982, has introduced a variety of daylight sensors to our TRANS sensor family.

TRANS daylight sensors are designed to control the amount of electric light in a day lit area by measuring either the level of daylight contribution or the overall combined natural and electric light as the key component to achieve an optimal lighting level.

IR-TEC offers not only the typical on/off switching type daylight sensors, but also the innovative SmartDIM control daylight sensors with 0-10V control.

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

As a member of the TRANS sensor family, all daylight sensors can be mounted in the following.



Fixture
Integrated



Fixture
External



Ceiling
Mount

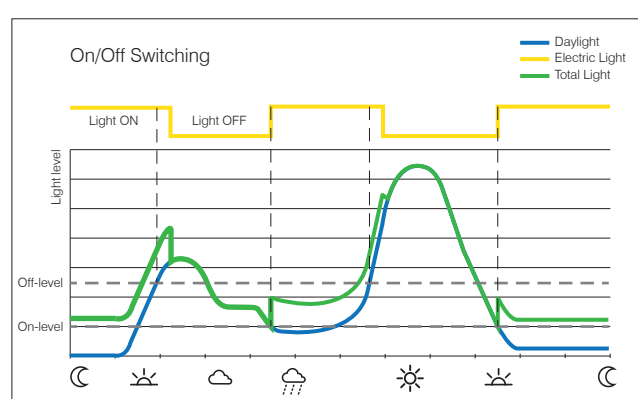


Junction
Box



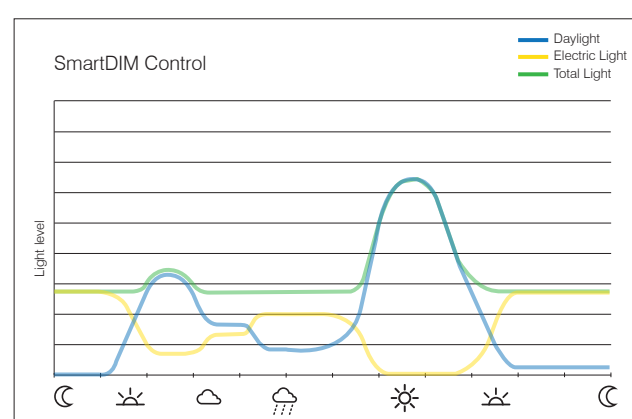
Ceiling
Recess

Daylighting Control Strategies



On/Off Switching

On/Off switching is a typical daylighting control strategy used in many commercial spaces. The sensor will turn on and off the electric lights based on the amount of daylight available in the space.



SmartDIM Control

SmartDIM is an advanced control strategy that will turn on and off the electric lights based on the amount of daylight available in the space, and also maintain the combined light level within a desired range when it is on.

TRANS Daylight Sensors

Model No.(x: mounting option)		LPS-509Sx	BPD-500Sx	BPD-502Sx	BED-500Sx
Power	100-277VAC	✓			
	12-24VDC		✓	✓	✓
Output	Switched live	✓			
	Hybrid switching	✓			
	Isolated dry contact		✓	✓	✓
	Analog output (0-10V)		✓*	✓	✓
Wiring	Lead wire	✓	✓	✓	✓
	Setting	Manual	✓	✓	
Control	Remote			✓	✓
	On/Off Switching	✓	✓		✓
	SmartDIM control			✓	✓

* The 0-10V output for the BPD-500 provides a 0-10V signal reporting the light level present in the space. This is not a control output in the model.