

SETTING CONFIGURATION APP

The BBD-500 can be configured via IR-TEC sensor configuration app to control the associated lighting as the scheme and parameters set. The app allows bi-directional communication between the sensor and the mobile device connected. All sensor settings can be configured via app with simple and intuitive operations.

NOTE: If necessary, multiple mobile devices can be used to configure “multiple sensors” simultaneously. However, categorizing the sensors in zone basis for different persons to conduct configuration respectively is recommended. Please note that a sensor can only be configured by the “connected” mobile device.

Sensor Config App
User Guide









SENSOR SETTINGS

Settings	Description	Options	Default
Control	The mode that the sensor will control.	ON/OFF, OSO, OSLA, OSLATO, OFF	OSLATO
Photocell	For measuring ambient light level.	Enabled/Disabled	Disabled
Ambient lux	The ambient light level that sensor will perform the control.	10~2000 LUX/CURRENT LUX	80 LUX
Delay time	The delay time that sensor is set to turn off or dim the light.	10 sec.~30 min.	10 min.
Time off	The delay time that sensor will keep the light at low dim level after the off delay time elapsed. Only available if OSLATO is selected.	10 sec.~30 min.	10 min.
SmartDIM	The sensor will automatically regulate the lighting to maintain overall lighting.	Enabled/Disabled	Disabled
High dim	The output level set to control the light during occupancy.	30~100%	100%
Low dim	The output level set to dim the light when space is vacant for bi-level control.	10~70%	30%
Ramp up	The speed of increasing the lighting output to High dim level.	Instant/Soft/Slow	Instant
Fade down	The speed of decreasing the lighting output to Low dim level or off.	Instant/Soft/Slow	Soft
Sensitivity	The sensitivity of occupancy sensor.	High/Normal/Low	High
LED indicator	Enable/disable the LED indicator of sensor.	Enabled/Disabled	Enabled
Minimum dim	The lowest dim level applicable on the sensor.	12%/15%/Disabled	Disabled
Daylight o’ride	Enable/disable daylight override control. Sensor will shut off the light when ambient lux exceeds the override level set below. Only available if Photocell is enabled.	Enabled/Disabled	Disabled
Override level	The ambient lux level to enable daylight override. Only available if Daylight o’ride is enabled.	High/Normal/Low	Normal

CONTROL SCHEME

The BBD-500 offers multiple occupancy sensor control schemes and parameter settings for selection.

- ON/OFF : ON-OFF Switching
- OSO : Occupancy Sensing Only
- OSLA : Occupancy Sensing at Low Ambient
- OSLATO : Occupancy Sensing at Low Ambient with Time-Off
- OFF : Light OFF all the time

Scheme	Description
ON/OFF	1. While ambient lux is higher than the level set, light stays OFF . 2. While ambient lux is lower than the level set, and occupancy detected , switch the light to High dim . 3. Turn OFF the light after occupant leave and delay time elapses.
OSO	1. Ambient light sensor disabled. 2. Dim the light to Low dim at all time under vacancy. 3. Switch the light to High dim under occupancy. 4. Dim the light to Low dim after occupant leave and delay time elapses.
OSLA	1. While ambient lux is higher than the level set, light stays OFF . 2. While ambient lux is lower than the level set, dim the light to Low dim under vacancy. 3. While ambient lux is lower than the level set, and occupancy detected , switch the light to High dim . 4. Dim the light to Low dim after occupant leave and delay time elapses.
OSLATO	1. While ambient lux is higher than the level set, light stays OFF . 2. While ambient lux is lower than the level set, and occupancy detected , switch the light to High dim . 3. Dim the light to Low dim after occupant leave and delay time elapses. 4. Turn OFF the light when Time off delay elapses. 5. When occupancy detected during Time off , switch the light to High dim .
OFF	All light controlled by the sensor will stay OFF before other scheme is selected.

SETTING ACKNOWLEDGEMENT

The sensor will acknowledge setting success or failure with different indications by sensor LED or connected lighting.

Acknowledgement	Sensor LED	Lighting
Sensor setting upload complete	-	Flash
Sensor resume to factory default	-	Flash
SmartDIM level set completed	-	Flash
Motion detected	Slow flashing	High dim
Bluetooth connected	Blinking	-