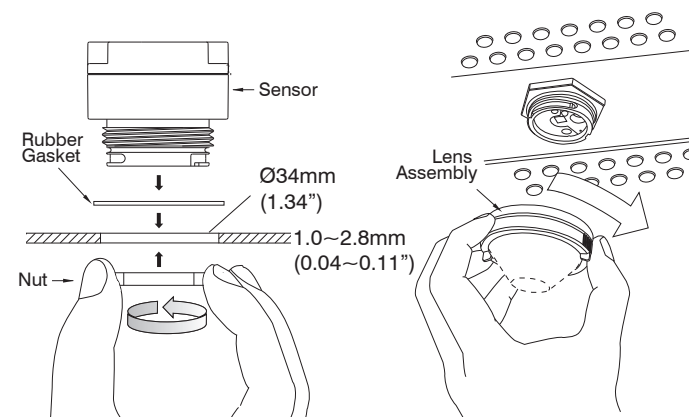
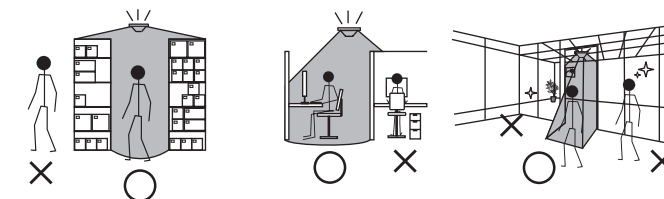
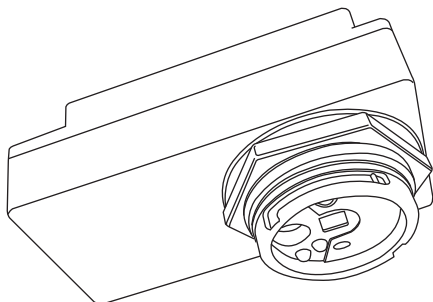




REMOTE



This product may be covered by one or more U.S. patents or patent applications. Please visit www.irtec.com for more information.



CONTROL MODE

The BRD-310S sensor can be programmed to control the lighting in one of the following modes via a SRP-280 remote programmer. For more details of specific control mode, please visit www.irtec.com or contact an IR-TEC team member directly.

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

Mode	Control
ON/OFF	<ol style="list-style-type: none">While ambient lux is higher than the level set, light stays OFF.While ambient lux is lower than the level set, and occupancy detected, switch the light to HIGH DIM.Turn OFF the light after occupant leave and delay time elapses.
OSO	<ol style="list-style-type: none">Ambient light sensor disabled.Dim the light to LOW DIM at all time under vacancy.Switch the light to HIGH DIM under occupancy.Dim the light to LOW DIM after occupant leave and delay time elapses.
OSLA	<ol style="list-style-type: none">While ambient lux is higher than the level set, light stays OFF.While ambient lux is lower than the level set, dim the light to LOW DIM under vacancy.While ambient lux is lower than the level set, and occupancy detected, switch the light to HIGH DIMDim the light to LOW DIM after occupant leave and delay time elapses.
OSLATO	<ol style="list-style-type: none">While ambient lux is higher than the level set, light stays OFF.While ambient lux is lower than the level set, and occupancy detected, switch the light to HIGH DIM.Dim the light to LOW DIM after occupant leave and delay time elapses.Turn OFF the lights when TIME OFF delay elapses.When occupancy detected during TIME OFF, switch the light to HIGH DIM.
OFF	<ol style="list-style-type: none">All lighting controlled by the sensor will remain OFF until another mode is selected.

SENSOR ACKNOWLEDGMENT

Acknowledgement	Sensor LED	Beep	Lighting
Full sensor setting upload completed	-	Long x 1 Short x 2	Flash x 2
Sensor resume to factory default	-	-	Flash x 2
SmartDIM level set completed	-	Short x 2	Flash x 2
Single setting ok	-	Short x 2	-
Occupancy detected	Flash x 1	-	-

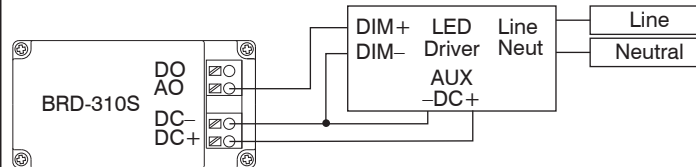
SENSOR SETTINGS

The followings are settings and options available with BRD-310S that can be configured via SRP-280 remote programmer. For more details of remote operation, please refer to the operation instruction of SRP-280.

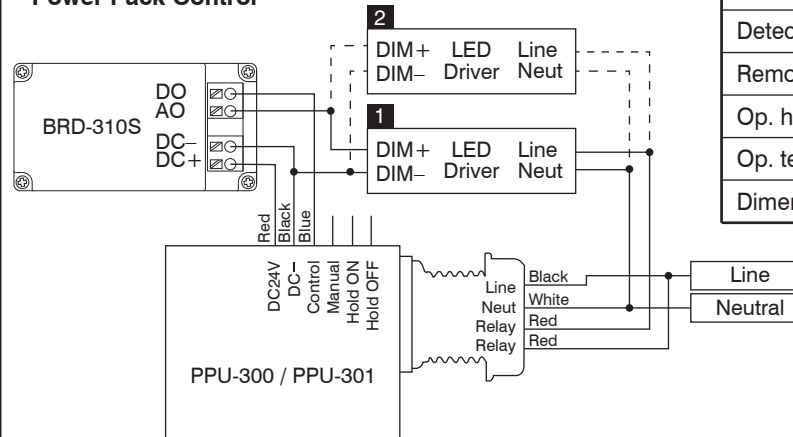
Settings	Description	Options	Default
CONTROL	The mode that the sensor will control.	ON/OFF, OSO, OSLA, OSLATO, OFF	OSLATO
AMBIENT LUX	The ambient light level that sensor will perform the control.	10/20/40/60/100/200/400 LUX/DISABLED	DISABLED
DELAY	The delay time that sensor is set to turn off or dim the light after the area is vacant.	30 sec./1/3/5/10/15/20/30/60 min.	10 min.
TIME OFF	The delay time that sensor will keep the light at low dim level after the OFF delay time elapsed.	10/30 sec./3/5/10/15/20/30/45/60 min.	10 min.
HIGH DIM	The output level set to control the light during occupancy.	50/55/60/65/70/80/90/100%/SmartDIM	100%
LOW DIM/SmartDIM	The output level set to dim the light when space is vacant for bi-level control. Low dim setting will become SmartDIM bar if SmartDIM control is selected.	0/5/10/15/20/25/30/40%	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

WIRING DIAGRAM

With Dim-to-Off 0-10V Driver w/Aux Power



Power Pack Control



SPECIFICATIONS

Power voltage	12-32VDC
Current drain	<15mA@32VDC, <25mA@12VDC
Infrared sensor	Omni-directional quad element pyroelectric
Photo sensor	Digital ambient light sensor
Sensor output	Open collector, active low
Dim control	0-10V±5%, max 25 mA sinking current
Detectable speed	0.3~10 ft./sec. (0.15 ~ 3 m/sec.)
Mounting height	Subject to the lens type applied
Detection range	Subject to the lens applied and height
Remote range	30 ft (10m) indoor
Op. humidity	Max. 95% RH
Op. temperature	-40°F~131°F (-40°C~55°C)
Dimensions	3.15"x1.65"x1.46"(80x42x37mm)