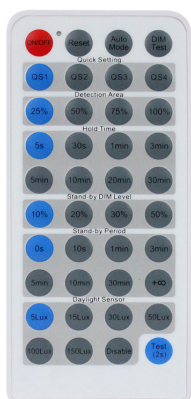


HIGH BAY MOTION SENSOR & REMOTE CONTROL

| MODEL NO: TAGHSIP65 + TAGHBREMSIP65



ULTRA LEDs



TAGHBREMSIP65



TAGHSIP65

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FEATURES & BENEFITS

- Sensor parameters can be conveniently set by remote control
- Mounting height up to 15m max. suitable for warehouse use
- Waterproof sensor with IP65 rating
- Automatic dimming when used in combination with 1-10V dimmable control gears
- Built-in adjustable daylight sensor
- Optional mounting brackets for different applications

IP65



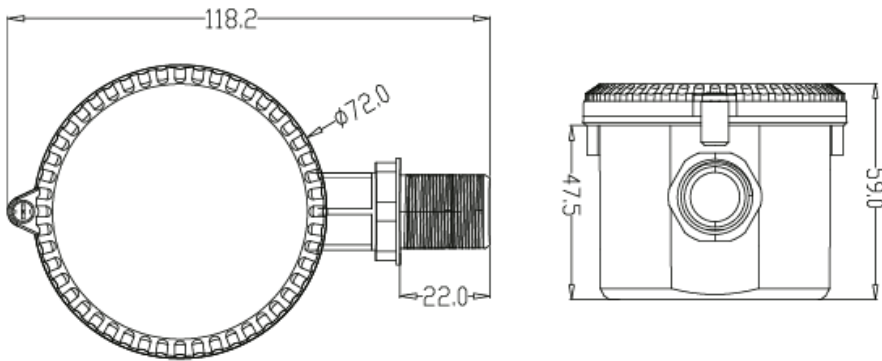
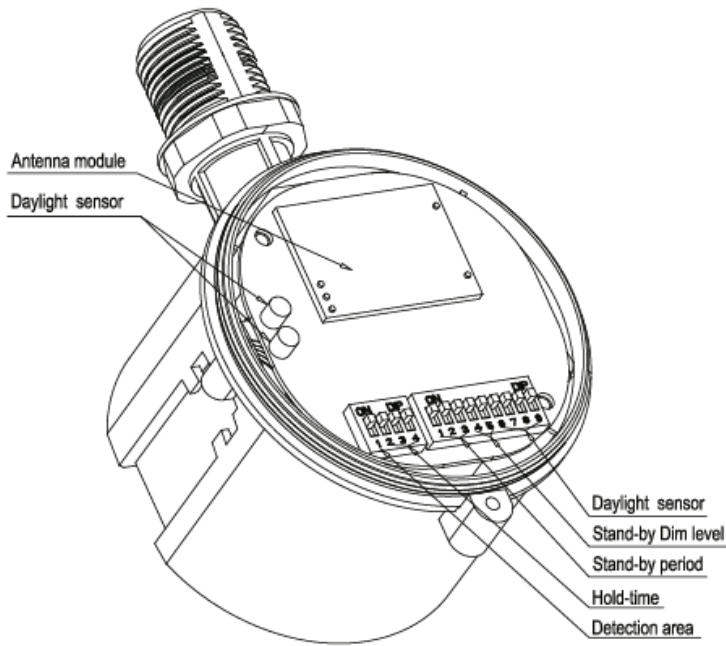
TECHNICAL INFORMATION

- The TAGHSIP65 sensor is innovative and has active motion detectors with HF system 5.8GHz. Motion can be detected through plastic, glass and thin non-metal materials. except the higher mounting height 15m max.
- The sensors allow energy saving without compromising performance. When used in combination with 1-10V dimmable LED drivers or ballasts, they can achieve 3-step dimming function, which is perfect for use in some areas that requires a light change notice before totally switch off.
- Also, the infra-red remote controller is designed to allow the customer to adjust the parameters of the sensors easily.

Specifications

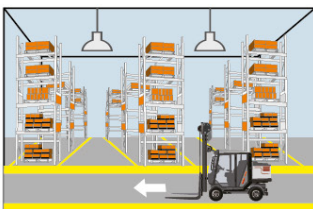
Operating Voltage	120~277V AC, 50/60Hz
Rated Load	400W@120V AC, 800W@220~277V AC (Inductive) 800W@120V AC, 1200W@220~277V AC (Resistive)
Power Consumption	< 1W
HF System	5.8GHz ±75MHz, ISM wave band
Transmitting Power	< 0.5mW
Detection Area	5-8m (at mounting height 6m)
Detection Sensitivity	25% / 50% / 75% / 100%
Hold Time	5s / 30s / 1min / 3min / 5min / 10min / 20min / 30min
Daylight Sensor	5lux / 15lux / 30lux / 50lux / 100lux / 150lux / disable
Standby Period	0s / 10s / 1min / 3min / 5min / 10min / 30min
Standby DIM Level	10% / 20% / 30% / 50%
Mounting Height	6-15m
Motion Detection	0.5~3m/s
Detection Angle	150° (wall installation) 360° (ceiling installation)
Operating Temperature	-25°C to +55°C
IP Rating	IP65

MECHANICAL DIAGRAM

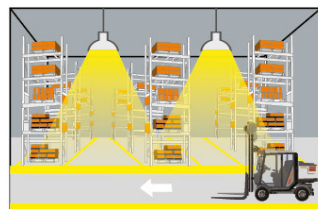


DIMMING FUNCTION

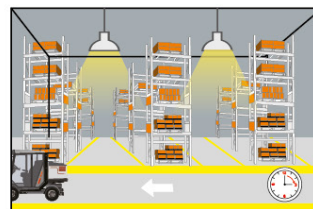
When used in combination with 1-10V dimmable LED drivers and ballasts, the sensors can achieve 3-step dimming function, 100%---> low light--->off. And the sensors build in adjustable daylight sensors, very easy to install and cost-effective.



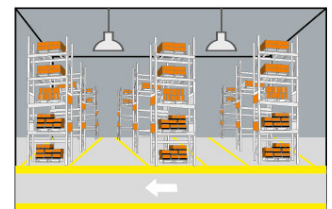
With sufficient ambient light, the sensor does not switch on the lamp.



With insufficient ambient light, the sensor switches on the lamp when motion is detected.

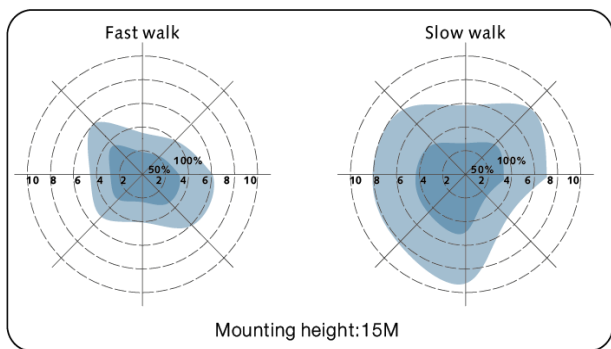
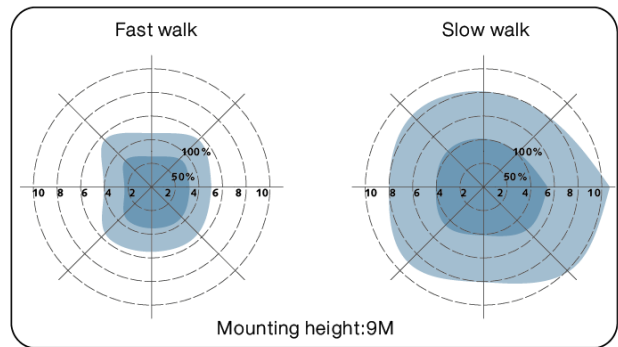
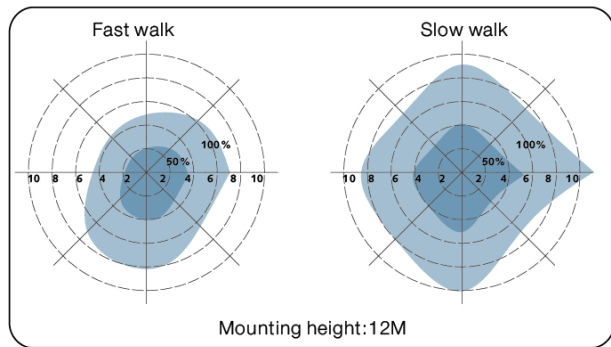
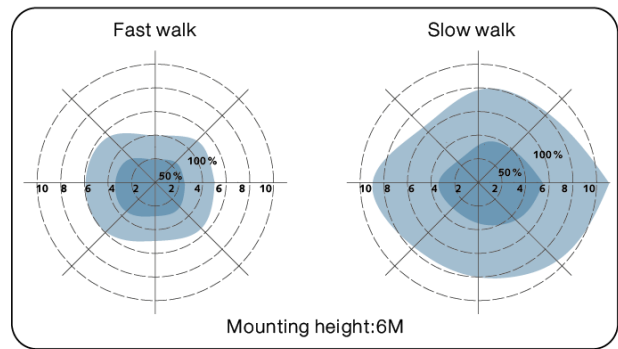
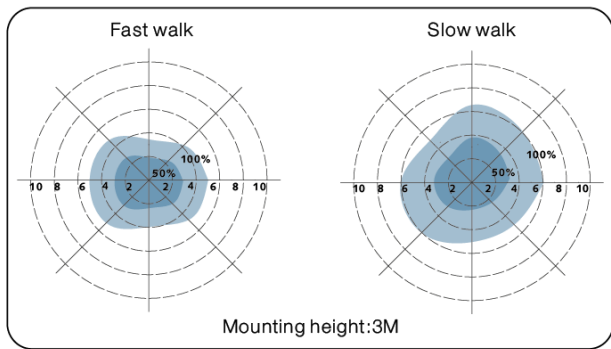


After hold time, the sensor dims the lamp at a low light level if no new motion trigger.

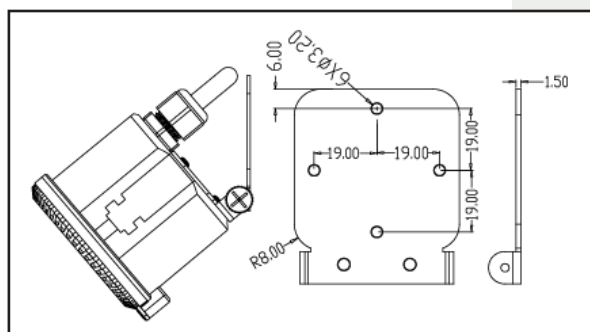
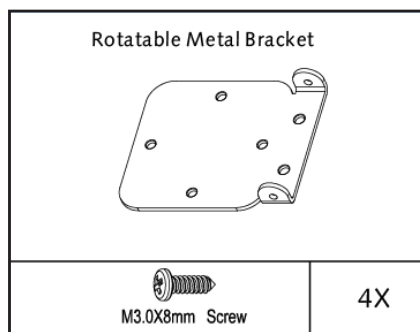


After stand-by period, the sensor switches off the lamp if no motion is detected in its detection zone

DETECTION PATTERN

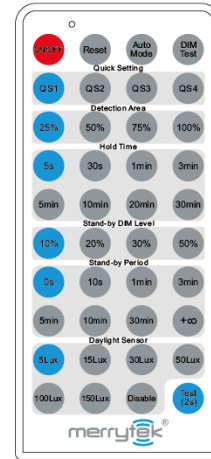


PACKAGE DETAILS



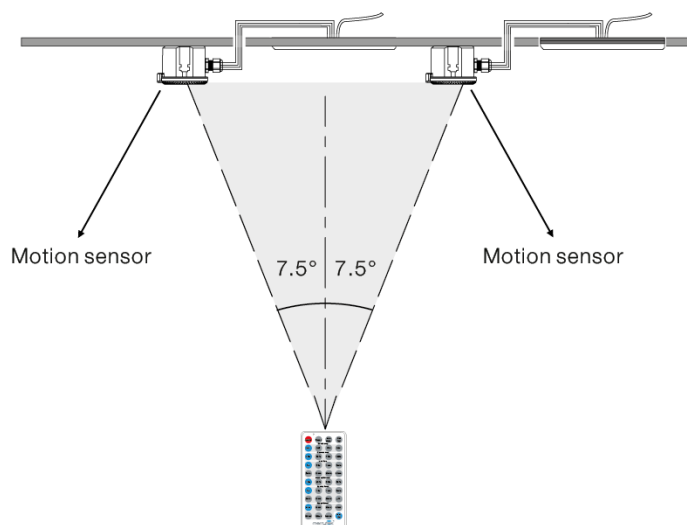
SETTING (REMOTE CONTROL - TAGHBREMSIP65)

Button	Remarks																														
	Press the "ON/OFF" button, the light goes to constant on or constant off mode, sensor is disabled. Press "Reset" or "Auto Mode" button to quit from this mode.																														
	Press "Reset" button, all parameters are same as setting of DIP switch.																														
	Press "Auto Mode" button, the sensor starts to work and all parameter setting will be remained the same as the previous status before the light was switched on/off.																														
	Press "DIM Test" button to test dimming function. Sensor will dim automatically and return to normal work mode.																														
	The button "Test(2s)" is for factory testing purpose only. The sensor will go to test mode, Detection sensitivity: 100% Hold time: 2sec stand-by dim level: 10% Stand-by period: 0s Daylight sensor: Disable Test mode can be quit by pressing any button.																														
 	<table border="1"> <thead> <tr> <th>scene Options</th> <th>Detection Area</th> <th>Hold Time</th> <th>Stand-by period</th> <th>Stand-by dim level</th> <th>Daylight Sensor</th> </tr> </thead> <tbody> <tr> <td>QS1</td> <td>100%</td> <td>30s</td> <td>1min</td> <td>10%</td> <td>5Lux</td> </tr> <tr> <td>QS2</td> <td>100%</td> <td>1min</td> <td>3min</td> <td>10%</td> <td>10Lux</td> </tr> <tr> <td>QS3</td> <td>100%</td> <td>5min</td> <td>10min</td> <td>10%</td> <td>30Lux</td> </tr> <tr> <td>QS4</td> <td>100%</td> <td>10min</td> <td>30min</td> <td>10%</td> <td>Disable</td> </tr> </tbody> </table> <p>Note: Detection area / Hold time / Stand-by period / Stand-by dim level / Daylight sensor can be adjust by pressing corresponding button. The latest setting stays in validity.</p>	scene Options	Detection Area	Hold Time	Stand-by period	Stand-by dim level	Daylight Sensor	QS1	100%	30s	1min	10%	5Lux	QS2	100%	1min	3min	10%	10Lux	QS3	100%	5min	10min	10%	30Lux	QS4	100%	10min	30min	10%	Disable
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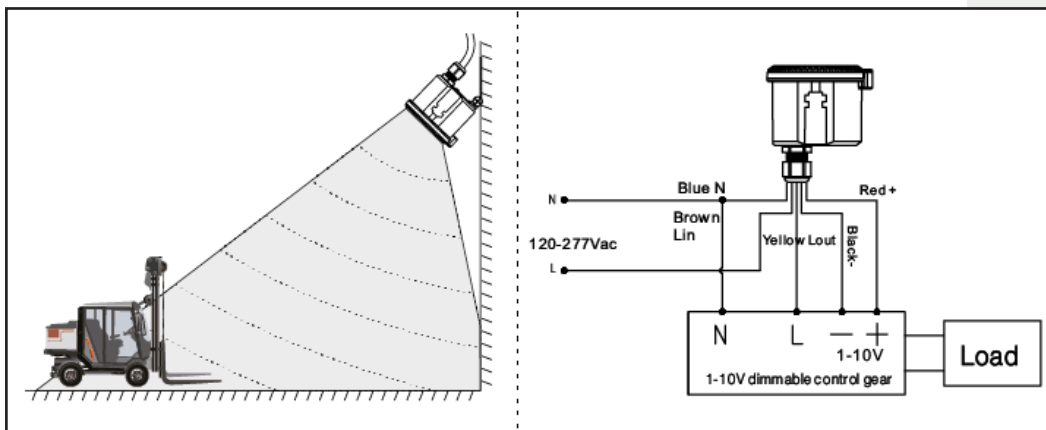


As the control angle of the Infrared Remote Control is fixed (15°), if sensors are installed too close to each other, settings of both sensors will be configured. Please refer to the below chart for the distance of the installation of the sensor:

Mounting height	Distance between sensors
15m	4m
12m	3.4m
9m	2.4m
6m	1.6m
3m	0.8m



WIRING SCHEME



SETTINGS

ON ↑ █		1	
	I	ON	100%
	II	-	50%

ON ↑ █		2	3	4	
	I	ON	ON	ON	5S
	II	-	ON	ON	30S
	III	ON	-	ON	1min
	IV	-	-	ON	3min
	V	ON	ON	-	20min
	VI	-	-	-	30min

ON ↑ █		1	2	3	
	I	ON	ON	ON	0S
	II	-	ON	ON	1min
	III	ON	-	ON	3min
	IV	-	-	ON	10min
	V	ON	ON	-	30min
	VI	-	-	-	+∞

ON ↑ █		4	5	
	I	ON	ON	10%
	II	ON	-	20%
	III	-	ON	30%
	IV	-	-	50%

ON ↑ █		6	7	8	9	
	I	ON	ON	ON	ON	5Lux
	II	-	ON	ON	ON	15Lux
	III	ON	-	ON	ON	30Lux
	IV	-	-	ON	ON	50Lux
	V	ON	ON	-	ON	100Lux
	VI	ON	ON	ON	-	150Lux
	VII	-	-	-	-	Disable

Detection Area

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application.

Hold Time

Refers to the time period the lamp remains at 100% illumination after no motion is detected.

Standby Period

Refers to the time period the lamp remains at a low light level before it completely switches off in the absence of motion. When set to "+∞" mode, the low light is maintained until motion is detected.

Standby Dimming Level

The low light level you would like to have after the hold time setting in the absence of motion.

Daylight Sensor

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold. When set to disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of the ambient light level.

Note: that daylight sensor is active only when lamp totally switches off.