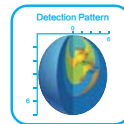
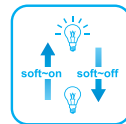
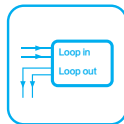
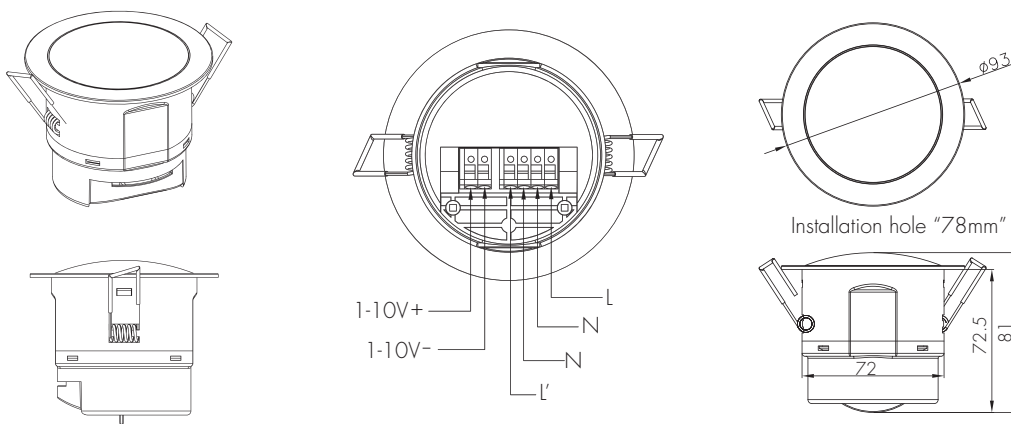


# Flush Mounting Version Tri-level Dimming Control

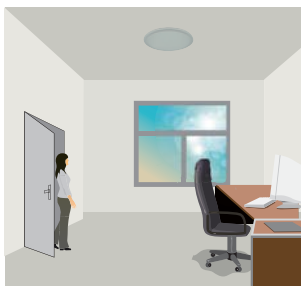
Model: HC407V with HRC-05



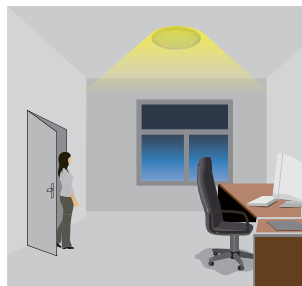
## Tri-level Dimming Control (Corridor Function)

Same as Tridonic excel control gear, Hytronik builds this function inside the motion sensor to achieve tri-level dimming control, for some areas require a light change notice before switch-off.

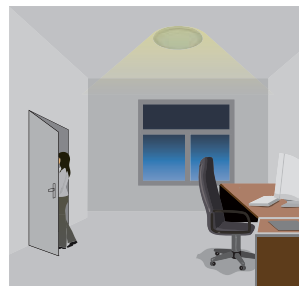
It offers 3 levels of light: 100%→dimmed light (10%, 20%, 30%)→off; and 2 periods of selectable waiting time: motion hold-time and stand-by period; selectable daylight threshold and freedom of detection area.



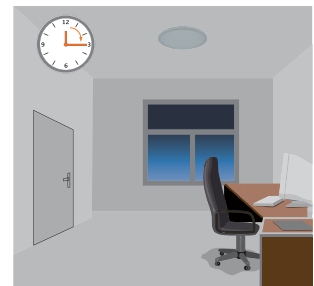
With sufficient natural light, the light does not switch on when presence detected.



With insufficient natural light, the sensor switches on the light automatically when person enters the room.



People left, light dims to stand-by level after the hold-time.



Light switches off automatically after the stand-by period elapsed.

### Note:

Light will turn off automatically if surrounding natural light lux level is above the daylight threshold, even there is motion detected. However, if the stand-by period is preset at "+∞", light will never switch off even when natural light is sufficient.

## Settings (Remote Control HRC-05)



### Permanent ON/OFF function

Press the "ON/OFF" button, the light goes to permanent on or permanent off mode, sensor is disabled.

\* Press "Auto Mode", "RESET" or "Scene mode" buttons to quit from this mode.

### Auto Mode

#### Sensor mode

Press "Auto Mode" button, the sensor starts to work and all settings remain the same as the latest status before the light was switched on/off.



### Reset function

Press "RESET" button, all settings go back to the values as below:

Detection range: 100%      Hold-time: 5min      Stand-by period: 10min

Stand-by dimming level: 10%      Daylight sensor: disabled



### Dim +/-

Long press "Dim +" or "Dim -" to adjust the light brightness during hold-time. "+" means dimming up, "-" means dimming down.



### Test mode

The button "Test 2s" is for testing purpose only. The sensor goes to test mode (hold-time is 2s) automatically after commissioning, meanwhile the stand-by period and daylight sensor are disabled.

\* This mode can be ended by pressing "reset", or any button of "scene mode" and "hold time". The sensor setting is changed accordingly.



### Power output

By pressing these two buttons, the output shifts between 80% (at initial 10,000 hours) and 100%, for energy saving purpose.



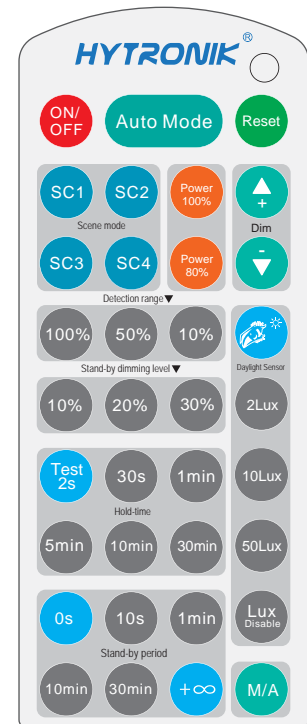
### Ambient daylight threshold

Press this button, the latest surrounding lux value overwrites previous lux value learned, and is set as the daylight threshold. This feature enables the fixture to function well in any real application circumstance.



### Lux disable

Press this button, the built-in daylight sensor stops working, and all motion detected could turn on the lighting fixture, no matter how bright the natural light is.



HRC-05

## Scene mode

There are 4 scene modes fixed program built-in the remote control to choose for different applications:

Scene options	Detection range	hold-time	Stand-by period	Stand-by dimming level	Daylight sensor
SC1	100%	1min	10min	10%	2Lux
SC2	100%	5min	10min	10%	2Lux
SC3	100%	10min	30min	10%	10Lux
SC4	100%	10min	+∞	10%	50Lux

Note: End-user can adjust the settings by pressing buttons of detection range/hold-time/stand-by period/stand-by dimming level/daylight sensor. The latest setting stays in validity.

### Detection range

Press the buttons of "detection range" to set detection range at 10% / 50% / 100%.

### Hold-time

Press the buttons of "hold-time" to set hold-time at 30s / 1min / 5min / 10min / 30min.

### Daylight sensor

Press the buttons of "daylight sensor" to set daylight threshold at 2Lux / 10Lux / 50Lux.

### Stand-by period (corridor function)

Press the buttons of "stand-by period" to set stand-by period at 0s / 10s / 1min / 10min / 30min / +∞.

Note: "0s" means on/off control; "+∞" means bi-level dimming control, light never switches off.

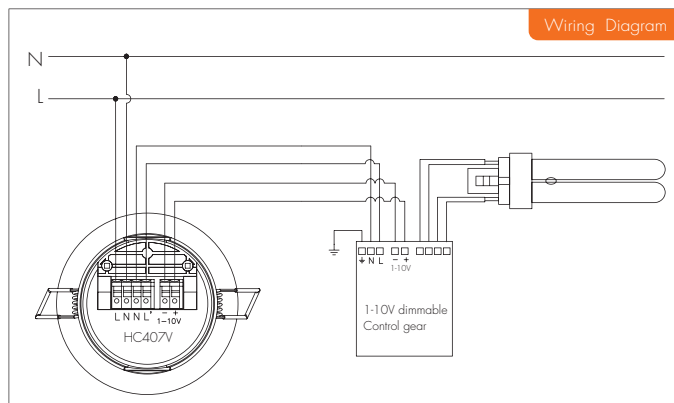
### Stand-by dimming level

Press the buttons of "stand-by dimming level" to set the stand-by dimming level at 10% / 20% / 30%.

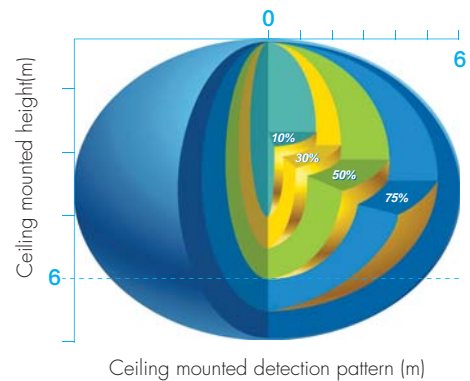
M/A

### Manual override / absence detection

Note: this button is disabled.



### Detection Pattern



## Technical Data

Operating voltage	120~277VAC
Switched power	120VAC@400W; 230VAC@800W; 277VAC@1000W (Capacitive load)
Stand-by power	<1W
Detection area	100% / 50% / 10%
Hold-time	TEST 2s/30s/1min/5min/10min/30min
Stand-by period	0s/10s/1min/10min/30min/+∞
Stand-by dimming level	10%/20%/30%
Daylight threshold	2lux / 10Lux / 50Lux / Lux disable
Sensor principle	Microwave motion detector
Microwave frequency	5.8GHz+/-75MHz
Microwave power	<0.2mW
Detection range	Max.(ØxH): 12x6m
Detection angle	30~150°
Mounting height	Max. 6m
Operating temperature	-20°C ~ +60°C
IP rating	IP20
Certificate	Semko, CB, EMC, CE, R&TTE, SAA