

Fixture Built-in Daylight Sensor DS05

Technical Specifications

Product type	Daylight Sensor
Operating voltage	220-240VAC 50Hz
Rated load	Max. 800W (Resistive) Max. 400W (Capacitive)
Power consumption	< 0.5W
Daylight threshold	2Lux, 10Lux, 30Lux, 50Lux, 100Lux, 300Lux, 500Lux, Disable
Warming up time	20s
Operating temperature	-20°C ~ +60°C
IP rating	IP20

Functions

1. Lux Off Function

The built-in daylight sensor can measure ambient natural light. It will switch off the fixture in 5 minutes automatically, whenever artificial light is not required (natural light lux level exceeds daylight threshold). Note: if the daylight threshold is preset at "disable", the fixture will never switch off even when natural light is sufficient.

2. Loop-in and loop-out

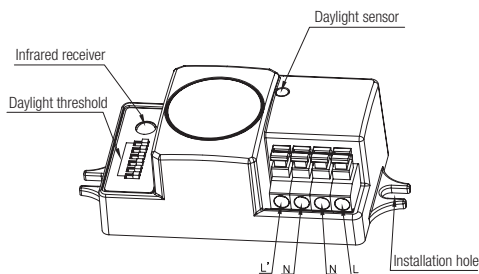
Double L N terminal makes it easy for wire loop-in and loop-out, saves the cost of terminal block and assembly time.

Settings

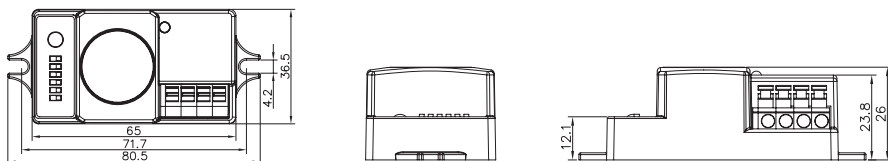
Daylight Threshold

	1	2	3	4	5	6		1	2	3	4	5	6	
I	●	●	●	●	●	●	Disable	V	○	○	○	○	○	○
II	○	○	○	○	○	○	2 Lux	VI	○	○	○	○	○	○
III	○	○	○	○	○	○	10 Lux	VII	○	○	○	○	○	○
IV	○	○	○	○	○	○	30 Lux	VIII	○	○	○	○	○	○
	○	○	○	○	○	○		IX	○	○	○	○	○	○
	○	○	○	○	○	○		X	○	○	○	○	○	○

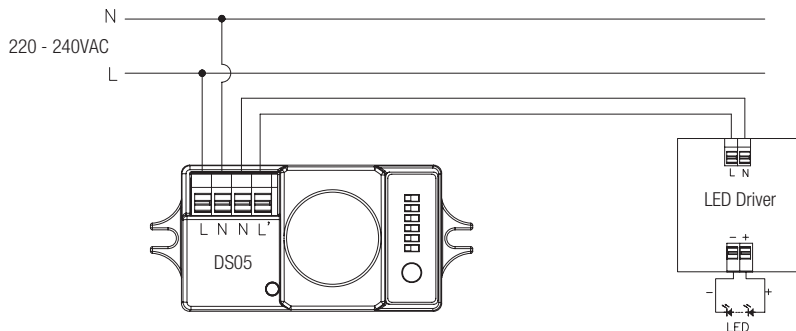
Set the lux level according to the real application environment. Light keeps off if ambient daylight is sufficient (above the threshold preset). With insufficient natural light, light will automatically turn on. Light will never switch off when daylight threshold is set to disable.



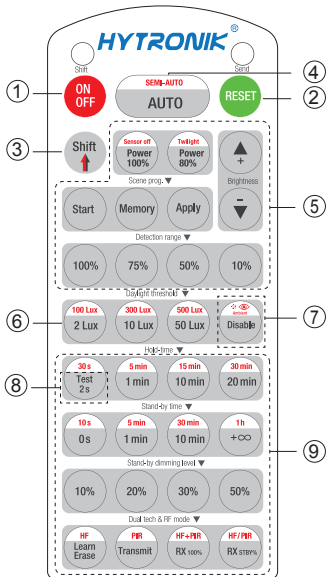
Dimensions (mm)



Wiring Diagram



Description of the Button Functions (remote control HRC-11)



HRC-11

Permanent ON/OFF [button ①]

Press button ① to select permanent ON or permanent OFF mode.

* Press button ②/④ to resume automatic operation.

RESET [button ②]

Press button ②, all settings go back to the DIP switch settings.

Shift [button ③]

Press button ③, the LED on the top left corner flashes to indicate mode selection. All values / settings in RED are in valid for 20 seconds.

Auto Mode [button ④]

Press button ④ to initiate automatic mode. The sensor starts working and all settings remain as before the light was switched ON/OFF.

Note: The function of "SEMI-AUTO" is disabled.

Ambient daylight threshold [button ⑦]

1. Press button ③ Shift, the red LED flashes for indication.

2. Press button ⑦, the ambient lux level is sampled and set as the new daylight threshold.

Daylight threshold [zone ⑥ ⑦]

Press buttons in zone ⑥ ⑦ to set the daylight threshold at 2Lux / 10Lux / 50Lux / 100Lux / 300Lux / 500Lux or Disable.

Note: 1. Light will never switch off when daylight threshold is preset at disable.

2. To set daylight sensor at 100Lux / 300 Lux / 500Lux, press button ③ Shift at first.

Test 2S [zone ⑧]

This button is for test purpose only, light will switch on when natural light lux level is below daylight threshold preset; or switch off when natural light lux level exceeds daylight threshold preset for 10S.

Note: buttons in zone ⑤ ⑨ are disabled.