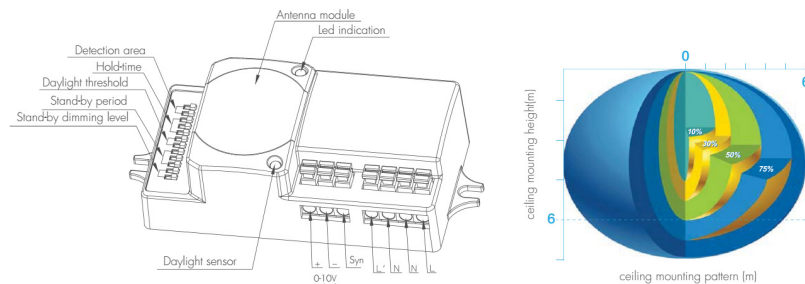
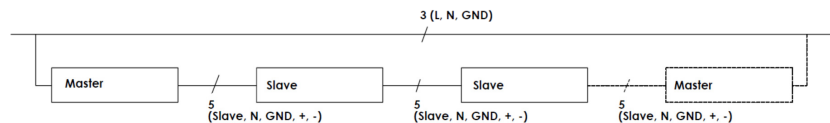


## Instruction Sensor Hytronik HC019V



### Installation:

#### Luminaire wiring diagram



#### 100h burn-in feature. Not necessary for LED Luminaires

With simple operation, rapidly turn off/on the fixture 3 cycles within 3 sec. (the green LED on the sensor flashes and the fixture blinks 3 times to indicate the success of setup), lamp will be 100% on for 100 hours, and then automatically goes to sensor mode after 100 hours. This is crucial to secure the lifetime of fluorescent lamp, when new fixture is installed, or old lamp is replaced.

This 100h burn-in feature can be cancelled by turning off/on the fixture 1 cycle within 1sec.

#### Ambient daylight threshold

#### Note: Needs to be disabled in MinMax operation (See settings pos. 3)

With simple operation, rapidly turn off/on the fixture 2 cycles within 2 sec:

1. the green LED on the sensor flashes slowly for 5 seconds, meanwhile the fixture blinks twice.
2. the daylight sensor measures and remembers the surrounding lux for 1 sec.
3. the fixture and green LED is on for 10s to indicate the success of learning.

This feature enables the fixture to function well in any real application circumstance, where the daylight penetrated into fixture may vary a lot.

\* The latest surrounding lux value overwrites previous lux value learned.

\* Both the setting on DIP switch and the learned ambient lux threshold can overwrite each other. The latest action stays in validity.

### Settings

#### 1 Detection area

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

	1	2	
I	●	●	100 %
II	●	○	75%
III	○	●	50%
IV	○	○	10%

I – 100%  
II – 75%  
III – 50%  
IV – 10%

#### 2 Hold-time

Hold-time means the time period you would like to keep the lamp on 100% after the person has left the detection area.

	1	2	3	
I	●	●	●	5s
II	●	●	○	30s
III	●	○	●	1min
IV	●	○	○	5min
V	○	●	●	10min
VI	○	●	○	20min
VII	○	○	●	30min

I – 5s  
II – 30s  
III – 1min  
IV – 5min  
V – 10min  
VI – 20min  
VII – 30min

#### 3 Daylight sensor

The daylight threshold can be set on DIP switches, to fit for particular application.

	1	2	
I	●	●	Disable
II	●	○	50Lux
III	○	●	10Lux
IV	○	○	2Lux

I – Disable  
II – 50Lux  
III – 10Lux  
IV – 2Lux

#### 4 Stand-by period(corridor function)

This is the time period you would like to keep at the 'low light output level' before it is completely switched off in the long absence of people.

note: "0s" means on/off control;

\*+ ∞ means 2 steps of dimming control, fixture never switch off.

	1	2	3	
I	●	●	●	0s
II	●	●	○	10s
III	●	○	●	1min
IV	●	○	○	5min
V	○	●	●	10min
VI	○	●	○	30min
VII	○	○	●	1h
VIII	○	○	○	+∞

I – 0s  
II – 10s  
III – 1min  
IV – 5min  
V – 10min  
VI – 30min  
VII – 1h  
VIII – +∞

#### 5 Stand-by dimming level

This is the dimmed low light output level you would like to have after the hold-time in the absence of people.

	1	2	
II	●	●	10%
III	●	○	20%
IV	○	●	30%
	○	○	50%

I – 10%  
II – 20%  
III – 30%  
IV – 50%

#### Technical Data

Operating voltage	220-240V
Switched power	Max. 800W (capacitive)
Standby power	<1w
Warm time	20s
Detection area	10/50/75/100%, can be customized
Hold time	5s/30s/1min/5min/10min/20min/30min, can be customized
Standby period	0s/10s/1min/5min/10min/30min/1h/+∞ can be customized
Standby dimming level	10%/20%/30%/50% can be customized
Daylight threshold	2~50lux daylight/twilight/darkness, can be customized
Sensor principle	Microwave motion detector
Microwave frequency	5.8GHz+/-75MHz
Microwave power	<0.2mw
Detection range	Max. (ØxH): 12m x 6m
Detection angle	30°-150°
Mounting height	Max. 6m
Operating temperature	-35°C ~ +70°C
IP rating	IP20 IP65(mounting in Hytronik special box)
Certificate	Semko, EMC, CE, R&TTE