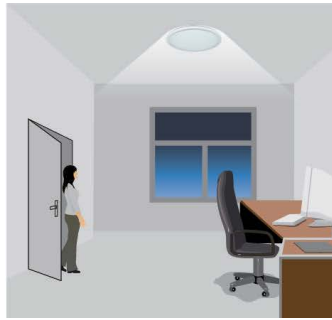


**Hytronik** builds this function inside the motion sensor to achieve tri-level control for areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100% dimmed light (natural light is insufficient), off, and 2 periods of selectable waiting time (motion hold-time and stand-by period); Selectable daylight threshold and freedom of detection area (please refer to page 2). For complete spec information, refer to the [technical sheet](#).



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



The sensor switches the light on automatically when presence is detected.



After hold-time, the light dims to stand-by level if the surrounding natural light is below the daylight threshold.



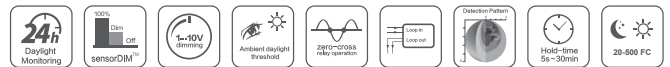
The light switches off automatically after the stand-by period elapses.

### IMS Sensor - HC403VRC-KD

Field selectable Dimming levels by dip switch.  
(10, 20, 30, or 50%)



LC Doane fixtures are designed and manufactured in the USA.  
Explore more lighting solutions at [www.lcdoane.com](http://www.lcdoane.com)



Occupancy detector with tri-level dimming control suitable for indoor use.

### Features

- 24 hour daylight monitoring dawn/dusk sensor
- Tri-level dimming control based upon occupancy (also known as corridor function).
- 1-10V dimming control method.
- One-touch daylight learning via remote control.
- Zero crossing detection circuit reduces in-rush current and prolongs relay life.
- Loop-in and loop-out terminal for efficient installation.

### Applications

- Office / Commercial Lighting.
- Classroom.
- Warehouse.
- Use for new luminaire designs and installations.

## 1 Detection Range

Sensor sensitivity can be adjusted 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

Select the dip switch configuration for the full brightness on-time after presense detection.

*Please note that this function is disabled when the natural daylight exceeds the daylight threshold setting for more than 5 minutes.*

	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 Threshold

Set the level according to the fixture and environment. The light will not turn on if ambient lux level exceeds the daylight threshold preset.

*Please note that the ambient lux level refers to internal light reaching the sensor.*

Disabling the daylight sensor will put the sensor into occupancy detection only mode.

	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 the stand-by time is infinite and the fixture never switches 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

The setting is used to select the desired dimmed light level used in periods of absence for enhanced comfort and safety.

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



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