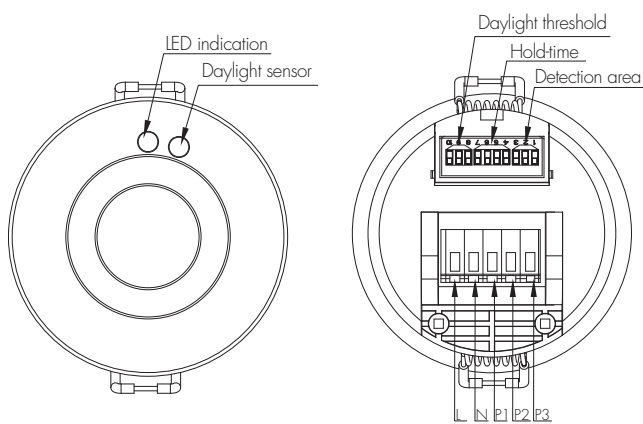
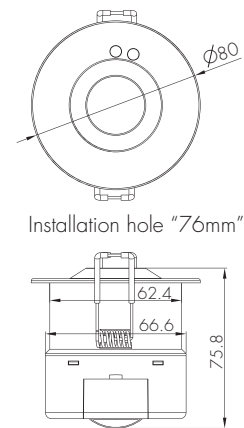


# Dry Contact Version 3-pole Relay

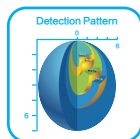
Model: HC502SDC (12V Input)



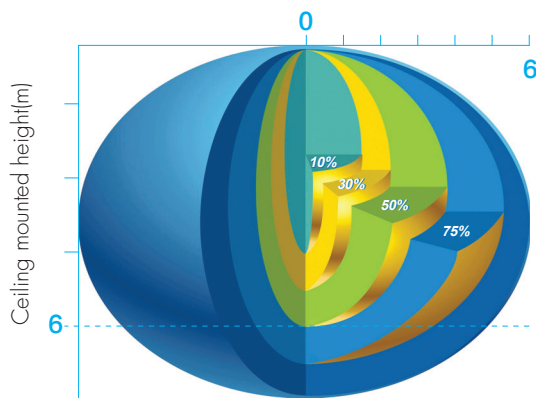
Model: HC502SDC



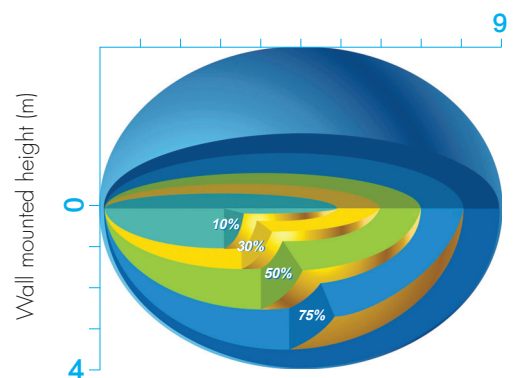
Mechanical structure (mm)



## Detection Pattern



Ceiling mounted detection pattern (m)

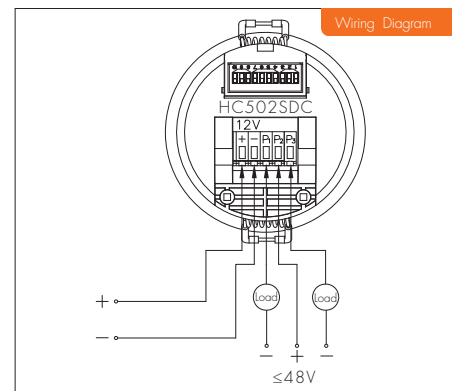
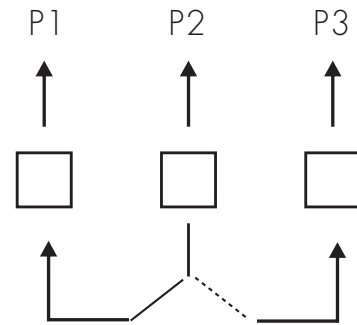


Wall mounted detection pattern (m)

## Voltage Free Sensor

Sometimes also known as "Potentio-Free" or "Volt-Free" sensor, the dry contact sensors from Hytronik are designed to operate with external monitoring systems. They operate as conventional occupancy sensors, with the output available as shown in the table below:

Detection State	Contacts Made
Presence	P1 - P2
Absence	P2 - P3



## 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	3	
I	●	●	●	100%
II	○	●	●	75%
III	●	○	●	50%
IV	●	●	○	25%
V	○	○	○	10%

I – 100%  
II – 75%  
III – 50%  
IV – 25%  
V – 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	4	
I	●	●	●	●	5s
II	○	●	●	●	30s
III	●	○	●	●	1min
IV	●	●	○	●	5min
V	●	●	●	○	10min
VI	○	○	○	○	30min

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

### 3 Daylight sensor

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

"Daylight" : The lamp works always, even during daylight.

"Twilight" : The lamp works only in twilight and darkness.

"Darkness" : The lamp works only in darkness.

	1	2	3	
I	●	●	●	2 Lux
II	○	●	●	10 Lux
III	●	○	●	30 Lux
IV	●	●	○	50 Lux
V	○	○	○	Disable

I – 2Lux  
II – 10Lux  
III – 30Lux  
IV – 50Lux  
V – Disabled

## Technical Data

Operating voltage	12Vdc
Control capacity	<1A
Stand-by power	<0.5W
Detection area	10/25/50%/75%/100%, can be customized
Hold-time	5s/30s/1min/5min/10min/30min
Sensor principle	HF (microwave) motion detector
HF (microwave) frequency	5.8 GHz+/-75MHz
HF (microwave) power	<0.2mW
Detection range	Max.(Ø x H): 1.2mX6m
Detection angle	30~150°
Mounting height	Max. 6m
Operating temperature	-35°C~70°C
IP rating	IP20