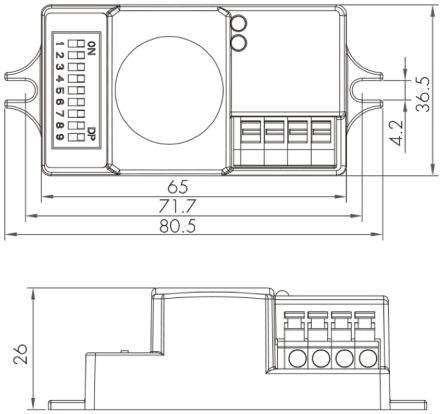
FDV DOKUMENT

Sensor Standard HC005S

32 766 24 / 930104



Art nr	El nr	Produktnavn	~~A~~	Lysytelse	DIM	System eff	CRI	Lys farge	IP	Farge
930104	**32 766 24**	Sensor Standard HC005S				400W			20	Hvit

Tekniske data:	400W (capacitive load), 800W (resistive load)
Spenning:	220-240VAC 50/60Hz
Standby power:	<0,5W
Warming-up:	≤20s
Sensor principle:	High Frequency (Microwave)
Operation frequency:	5,8GHZ +/- 75MHz
Transmission power:	<0,2mW
Detection range:	Max. <ØxH> 12mx6m
Detection angle:	30˚ ~ 50˚
Sensitivity:	10%/30%/50%/75%/100%
Hold-time:	5s ~ 30min (selectable)
Daylight threshold:	2 ~ 50 lux, disabled
Safety standard (LVD):	EN60669, AS/NZS 60669
EMC standard:	EN55015, EN61000
Radio Equipment (RED):	EN300440, EN301489, EN62479
Sertifisert:	CE, Semko, CB, RCM, EMC, RED
Omgivelsestemp:	-35˚C +70˚C
Materiale:	Polykarbonat
Farge:	Hvit
IP Klasse:	IP20
Levetid	50 000 hrs
Produktstørrelse	65x36,5x26mm
Vekt	41g
Antall per ytterkartong	100stk Dimensjon: 440x360x255mm Vekt: 6,10 kgs

Rengjøring:

Planmessig rengjøring gir deg best belysning over tid.

Gjør anlegg alltid strømløst før rengjøring.

Det anbefales støvtørking med mikrofiber. Intervaller avhenger av bruksområdets støv-/smussmengde. Unngå sterke kjemikalier (ph>7) og vær varsom med frontlinse eller reflektor hvis denne er tilgjengelig. Ikke spray midler direkte på armatur. Særlig tilsmussede områder kan rengjøres med mildt såpevann, men prøv på et avgrenset område først. LED Driver eller åpne komponenter må ikke utsettes for vann eller fuktighet.
GARANTI: IPAS yter 5 års garanti. Se også ASLEM12 for mer informasjon.

Resirkulering/WEEE:
Produktet er definert som miljøavfall og skal samles inn av et EE-returselskap.
IPAS er medlem av Renas AS. Se mer på www.renas.no

CE emc RED CB IP20

EFO-LINK

IPAS AS
Østre Rosten 2A 7075 TILLER
www.ipas.no post@ipas.no Tlf 40 00 15 59.

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Art. Nr.: 930104

Sensor Standard HC005S

On/off Control HF Sensor

HC005S
Super-compact Version

Applications

Occupancy detector with on/off control suitable for indoor use.

Suitable for building into the fixture:

- Office / Commercial Lighting
- Meeting rooms
- Classroom

Use for new luminaire designs and installations

Features

- Zero crossing detection circuit reduces in-rush current and prolongs relay life
- Loop-in and loop-out terminal for efficient installation
- 5 Year, 50,000hr Warranty

Technical Data

Input Characteristics

Model No.	HC005S
Mains voltage	220~240VAC 50/60Hz
Stand-by power	<0.5W
Load ratings:	
Capacitive	400W
Resistive	800W
Warming-up	20s

Safety and EMC

EMC standard (EMC)	EN55015, EN61000
Safety standard (LVD)	EN60669, AS/NZS 60669
Radio Equipment (RED)	EN300440, EN301489, EN301489, EN62479
Certification	Semko, CB, CE , EMC, RED, RCM

Sensor Data

Model No.	HC005S
Sensor principle	High Frequency (microwave)
Operation frequency	5.8GHz +/-75MHz
Transmission power	<0.2mW
Detection range	Max. (Ø x H) 12m x 6m
Detection angle	30° ~ 150°
Setting adjustments:	
Sensitivity	10% / 30% / 50% / 75%/ 100%
Hold-time	5s ~ 30min (selectable)
Daylight threshold	2 ~ 50 lux, disabled

Environment

Operation temperature	Ta: -35°C ~ +70°C
Case temperature (Max.)	Tc: +80°C
IP rating	IP20

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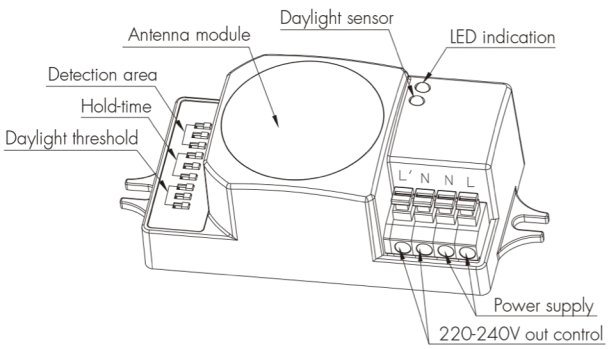
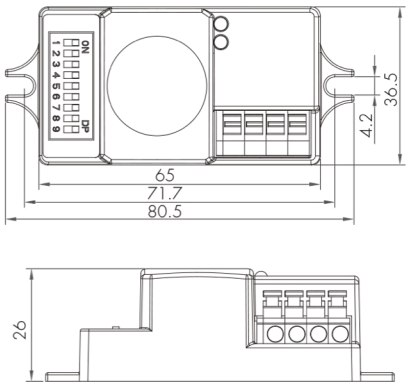
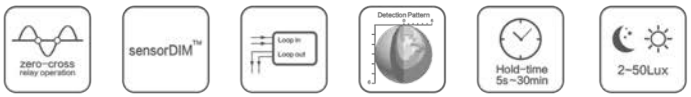
Art. Nr.: 930104







Functions and Features

1 On/off Control

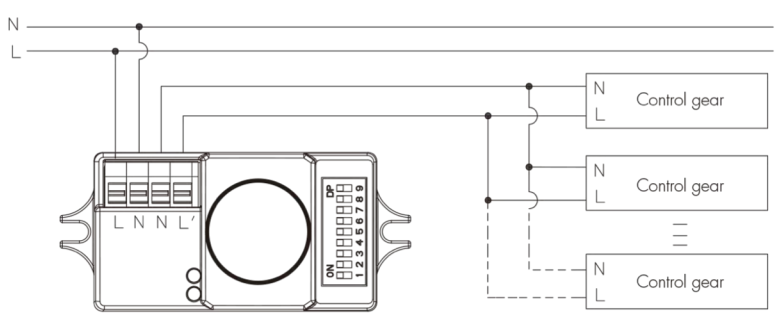
This sensor is a motion switch, which turns on the light upon detection of motion, and turns off after a pre-selected hold-time when there is no movement. A daylight sensor is also built in to prevent the light from switching on when there is sufficient natural light.

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

With insufficient natural light, the sensor switches on the light automatically when presence is detected.

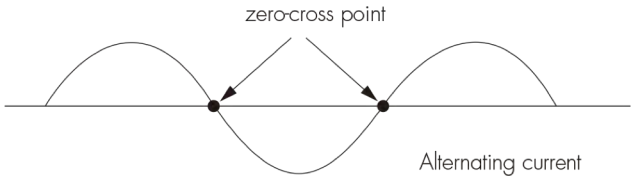
The sensor switches off the light automatically after the hold-time when there is no motion detected.

Wiring Diagram



2 Zero-cross Relay Operation

Designed in the software, sensor switches on/off the load right at the zero-cross point, to ensure that the in-rush current is minimised, enabling the maximum lifetime of the relay.



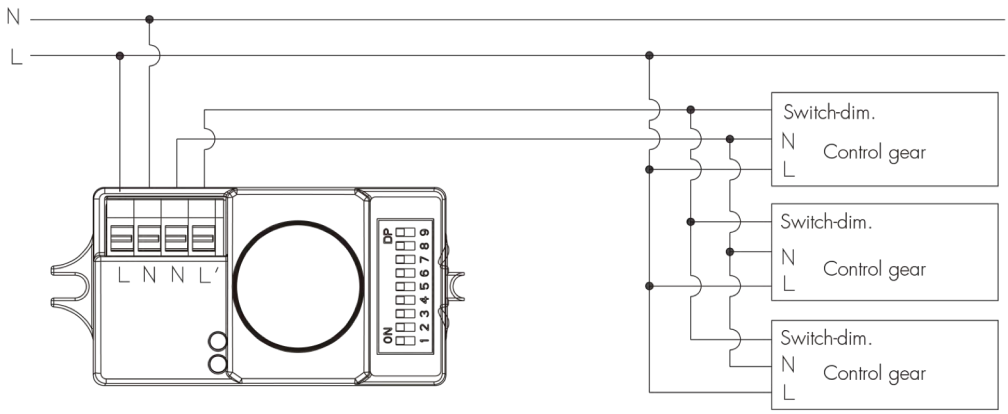
3 Loop-in and Loop-out Terminal

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

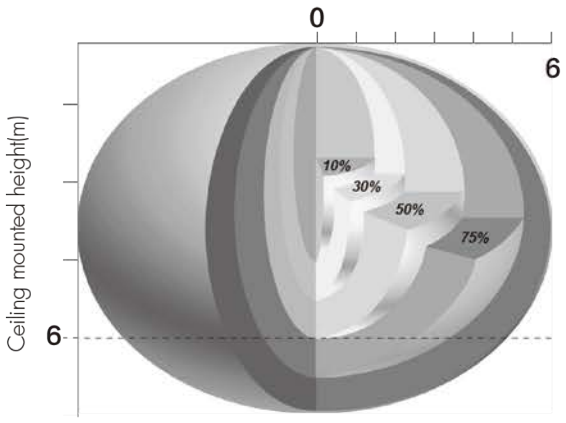
4 SensorDIM™ Function

Working with Switch-dim. control gear (Excel ballast/driver, corridor function), this sensor can also achieve tri-level control.

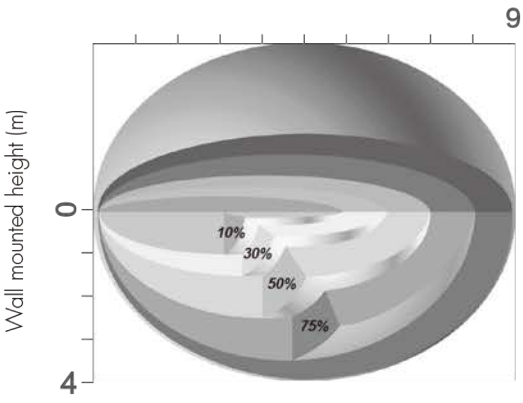
Wiring Diagram



Detection Pattern



Ceiling mounted detection pattern (m)



Wall mounted detection pattern (m)

Art. Nr.: 930104

DIP Switch Settings

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	3	
I	●	●	●	100%
II	○	●	●	75%
III	○	●	○	50%
IV	○	○	●	30%
V	○	○	○	10%

I – 100%
II – 75%
III – 50%
IV – 30%
V – 10%

2 Hold Time

Select the DIP switch configuration for the light on-time after presence detection. This function is disabled when natural light is sufficient.

	4	5	6	
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.

	7	8	9	
I	●	●	●	Disable
II	○	●	●	50Lux
III	○	●	○	20Lux
IV	○	○	●	5Lux
V	○	○	○	2ux

I – Disable
II – 50 Lux
III – 20 Lux
IV – 5 Lux
V – 2 Lux

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