

# Dual HF

COM1 - Surface wiring  
EAN 4007841 590703  
Article number 590703



high frequency  
sensor 360°



max. 20 x 3 m

2000 W

max. 2000 W



IP20



ideal 2.5 - 3.5 m



indoor sensor

iQ

iQ-mode

Teach

Teach mode



energy saving

5 years

manufacturer's  
warranty steinel-  
professional.de/  
garantie

## Function description

Twice as vigilant. High-frequency corridor sensor Presence Control PRO DUAL HF COM1 AP for indoors, ideal for passageways and long corridors, installation height up to 3.5 m, surface-mounting version for switching light 'ON' and 'OFF', DUAL-HF technology for radial detection over 20 m in two directions, detection regardless of temperature, HF-sensor technology also detects movement through glass, wood and stud walls, light switches 'ON' almost instantly.

## Technical specifications

Dimensions (L x W x H)	70 x 120 x 120 mm
Manufacturer's Warranty	5 years
Settings via	Remote control, DIP switches, Potentiometers, Smart Remote
With remote control	No
Version	COM1 - Surface wiring
PU1, EAN	4007841590703
Type	Presence detector
Application, place	Indoors
Application, room	corridor / aisle, Indoors
Colour	white
Colour, RAL	9010
Includes corner wall mount	No
Installation site	ceiling
Installation	Surface wiring, Ceiling
IP-rating	IP20

Technology, sensors	High frequency, Light sensor
Mounting height	2,50 – 3,50 m
Mounting height max.	3,50 m
Optimum mounting height	2,8 m
HF-system	5,8 GHz
Detection	also through glass, wood and stud walls
Detection angle	Aisle, 360 °
Angle of aperture	140 °
Sneak-by guard	Yes
Capability of masking out individual segments	No
Electronic scalability	Yes
Mechanical scalability	No
Reach, radial	20 x 3 m (60 m²)
Reach, tangential	20 x 3 m (60 m²)
Transmitter power	< 1 mW

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## Technical specifications

Ambient temperature	from -25 up to 55 °C	Functions	Normal / test mode, Semi-/fully automatic, Pushbutton / switch mode, Manual ON / ON-OFF
Material	Plastic	Twilight setting	10 – 1000 lx
Mains power supply	230 V / 50 – 60 Hz	Time setting	30 s – 30 Min.
Fluorescent lamps, electronic ballast	1500 W	Basic light level function	No
Fluorescent lamps, uncorrected	1000 VA	Main light adjustable	No
Fluorescent lamps, series-corrected	1000 VA	Twilight setting TEACH	Yes
Fluorescent lamps, parallel-corrected	1000 VA	Constant-lighting control	No
Switching output 1, low-voltage halogen lamps	2000 VA	Interconnection	Yes
LED lamps < 2 W	100 W	Type of interconnection	Master/master, Master/slave
LED lamps > 2 W < 8 W	300 W	Interconnection via	Cable
LED lamps > 8 W	600 W	Product category	Presence detector
Capacitive load in µF	176 µF		

## Accessories

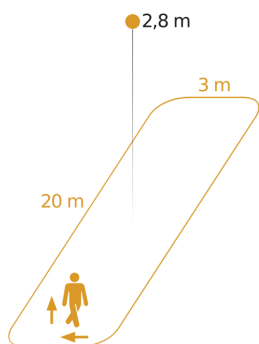
EAN 4007841 003036	Control PRO guard cage
EAN 4007841 000363	Surface-mounted adapter Control Pro IP54
EAN 4007841 009151	Remote control Smart Remote
EAN 4007841 559410	Service remote control RC8

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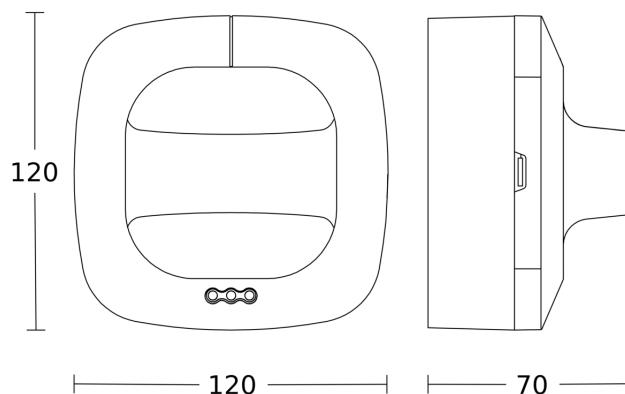


## Detection Zone

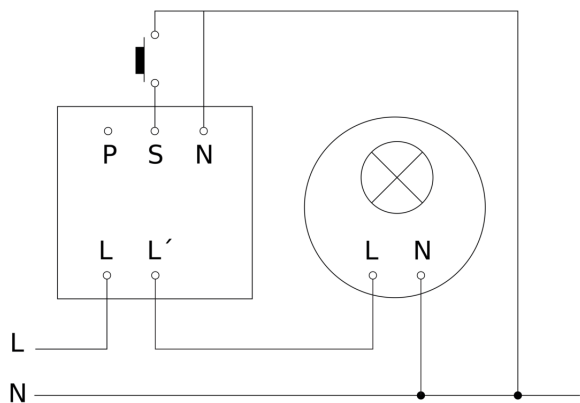


Possible mounting height: 2,50 m – 3,50 m  
Orange: radial and tangential

## Dimension Drawing



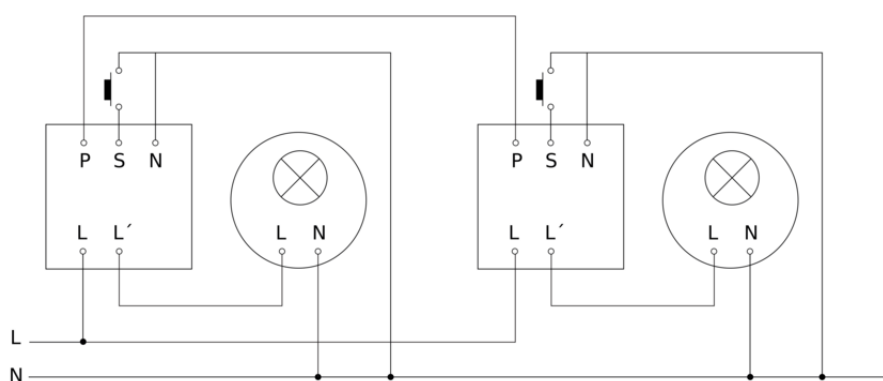
## Master circuit diagram



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## Master/master interconnection circuit diagram



## Master/slave interconnection circuit diagram

