

# DualTech

**The best of both worlds.  
Combined in one detector.**

Offices, conference rooms and classrooms come with their own particular spatial situations that don't exactly make it easy to provide efficient lighting control. That's why we have developed an innovative 360° detector with a 28 sq.m. presence detection zone that uses the best qualities of two leading technologies. This way, the DualTech can also detect movements without visual contact with the sensor. PIR technology provides additional detection capabilities. And maximum reliability.

CONTROL  
**PRO**  
SYSTEM



  
ultrasonic  
sensor 360°

  
infrared  
sensor 360°

  
max. Ø6m  
presence

**2000w**  
max.

**DIM**  
1 - 10V

**KNX**

 LiveLink

  
2,5 - 3,5m

  
10 - 1000 lux

**TEACH**  
mode

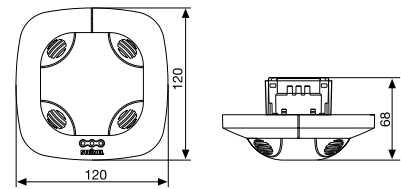
**iQ**  
IQ-mode

  
energy  
saving

**5 JAHRE**  
GARANTIE  
manufacturer's  
warranty



EAN DualTech, COM1	4007841 007997
EAN DualTech, COM2	4007841 008000
EAN DualTech, DALI-2	4007841 057473
EAN DualTech, DIM	4007841 008017
EAN DualTech, KNX	4007841 059521
EAN DualTech, LiveLink	4007841 008451



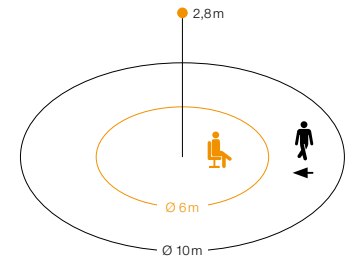
**You will find information on the interfaces as well as wiring diagrams from page 142 onwards.**

Type	Presence detector
Dimensions (H x W x D)	120 x 120 x 68 mm
Power supply	220-240V, 50/60Hz
Sensor type	Ultrasonic 40KHz and passive infrared
Where to use	Indoors
Installation	Ceiling
Mounting height	2.5 - 3.5m
Recommended mounting height	2.8m
Angle of coverage	360°
Reach, US	∅10m radial, ∅6m presence / tangential
Reach, PIR	3x3m presence
Parallel-connected configurations	Yes
User-friendly setting	Teach-In (with optional remote control RC8)
Twilight setting	10 - 1000lx
Twilight setting DIM	100 - 1000 lx, ∞/daylight
IP rating	IP20
Temperature range	-25 to +55°C
Enclosure	UV-resistant plastic, paintable

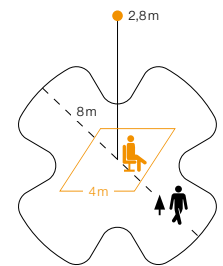
**Optional accessories**

EAN User remote control RC5	4007841 592806
EAN Service remote control RC8	4007841 559410
EAN Remote control Smart Remote	4007841 009151
EAN surface-mounting adapter, AP Box	4007841 000363
EAN guard cage	4007841 003036
EAN Ceiling box ∅68 mm	4007841 052812

Refer to the 'Accessories' section for further information.



DualTech US detection zone  
Possible mounting height: 2.5 - 3.5 m  
Orange: presence and tangential  
Black: radial



DualTech PIR detection zone  
Possible mounting height: 2.5 - 3.5 m  
Orange: presence and radial  
Black: tangential

**Wiring diagrams from page 142**

Optional remote controls refer to page 300



For optional surface-mounted adapters, refer to page 300



Optional guard cage refer to page 300



# Presence Detector Interfaces

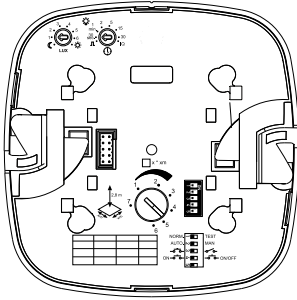
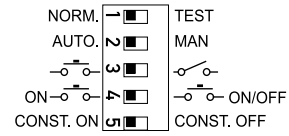
## Open to all common networks.

STEINEL Professional presence detectors are designed as team players. They are available either with COM1, COM2, DALI, DALI-2, DIM, KNX or LiveLink interfaces, making them easy to integrate as field devices in building networks. The interface to select depends on the applications that are planned. Presence Control PRO devices can be used for operating and controlling all sorts of different

functions: not only for switching light ON and OFF automatically, but also heating, ventilation and air-conditioning systems. Controlling light as and when it is needed; pre-selected settings can be used for maintaining a constant level of lighting in a room – in relation to daylight. Furthermore, they can also provide surveillance-only functions.

## DIP-switch assignment

- DIP 1: Normal/test mode
- DIP 2: Semi-/fully automatic mode
- DIP 3: Button/switch mode
- DIP 4: ON button/ON-OFF button
- DIP 5: Constant-lighting control ON-OFF (DIM/DALI)



## COM1 – COM1, surface-mounted

**Power supply** 220–240 V; 50 / 60 Hz

### Output

- Incandescent / halogen lamp load
- Fluorescent-lamp electronic ballasts
- Fluorescent-lamps, uncorrected
- Fluorescent-lamps, series-corrected
- Fluorescent lamps, parallel-corrected
- Low-voltage halogen lamps
- LED < 2 W
- 2 W < LED < 8 W
- LED > 8 W
- Capacitive load

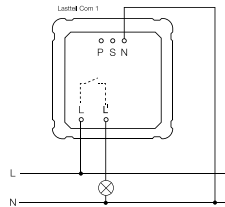
- 2000 W (IR Quattro SLIM XS / MICRO: 1000 W)
- 1500 W (IR Quattro SLIM XS: 400 W / MICRO: 500 W)
- 1000 VA (IR Quattro SLIM XS: 500 VA / MICRO: 400 VA)
- 1000 VA (IR Quattro SLIM XS: 500 VA / MICRO: 400 VA)
- 1000 VA (IR Quattro SLIM XS: 500 VA / MICRO: 400 VA)
- 2000 VA (IR Quattro SLIM XS: 500 VA / MICRO: 1000 VA)
- 100 W (IR Quattro SLIM XS: 16 W)
- 300 W (IR Quattro SLIM XS: 64 W)
- 600 W (IR Quattro SLIM XS: 64 W)
- 176 µF

**Time setting** 30 sec – 30 min, pulse mode (approx. 2 sec),

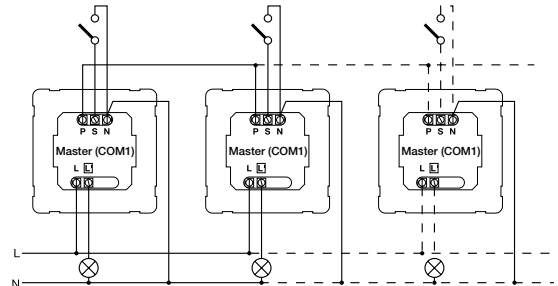
IQ mode (automatic adjustment to the usage profile)

5 sec - 60 min for IR Quattro SLIM XS / MICRO

## Master



## Master/master COM1



## Master/slave COM1

