

STEINEL ultrasonic technology.
The USA standard.



DualTech

CONTROL
PRO
SYSTEM



DualTech



US 360



Dual US



Single US

Indoors	•	•	•	•
COM1	•	•	•	•
COM2	•	•	•	•
DIM	•	•	•	•
Sensor	Ultrasonic + PIR	Ultrasonic	Ultrasonic	Ultrasonic
Installation height	2.5–3.5m	2.5–3.5m	2.5–3.5m	2.5–3.5m
Detection zones	Presence: Ø6m	Presence: Ø6m	Radial: 3x20 m max. Tangential: 3x20 m max.	Radial: 3x10 m max. Tangential: 3x10 m max.
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**Standard in the USA.
From STEINEL in premium quality.**

We are a company that operates on the global stage. "When in Rome, do as the Romans do": this saying applies to us in a technological sense too. In the USA, for example, ultrasonic sensors define the standard. Needless to say, as innovation and technology leader, we manufacture high-end sensors on the basis of ultrasonic technology and also let all STEINEL customers benefit from the advantages this system has to offer.

The ultrasonic waves (40 kHz) are actively emitted from the sensor and completely fill the respective room. They permeate into every last corner, enveloping objects that are present in the room. The sensor identifies movement in the room even if there is no visual contact between sensor and person. The signal is evaluated on the basis of the Doppler principle. It is this that makes ultrasonic sensors ideal for open-plan offices and rooms with stud walls. Ultrasonic waves do not penetrate thin walls and are highly sensitive. And therefore particularly recommended for rooms in which sedentary activities are performed.

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


indoor
sensor


2.5 - 3.5m


10 - 1000 lux

TEACH
mode

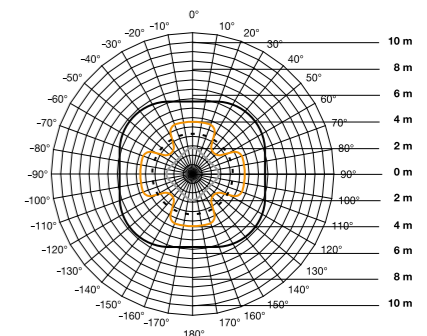
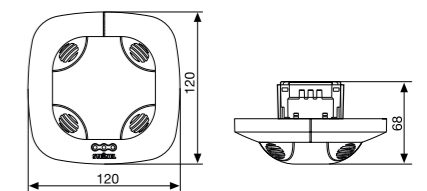
iQ
IQ-mode


energy
saving

5 YEAR
functional
warranty



EAN DualTech COM1	4007841 007997
EAN DualTech COM2	4007841 008000
EAN DualTech DIM	4007841 008017
Type	Presence detector
Dimensions (H x W x D)	120 x 120 x 68 mm
Power supply	220-240 V, 50/60 Hz
Sensor type	Ultrasonic 40KHz and passive infrared
Where to use	Indoors
Installation	Ceiling
Recommended installation height	2.5 - 3.5 m
Angle of coverage	360°
Reach, US	Ø10m radial, Ø6m presence/tangential
Reach, PIR	3x3m presence
Parallel-connected configurations	Yes
User-friendly setting	Teach-In (via optional remote control RC 8)
Response brightness	10 - 1000 lx
Response brightness, DIM	100-1000lx, ∞/daylight
IP rating	IP20
Protection class	II
Temperature range	-25 to +55°C
Enclosure	UV-resistant plastic, paintable
For information on the interfaces, please turn to page 112.	



DualTech detection zone
Installation height 2.50 m
black = ultrasonic radial
orange = infrared tangential
dashed = ultrasonic tangential and presence
grey = infrared presence, radial

Accessories

EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN surface-mounting adapter AP Box	4007841 000363
EAN guard cage	4007841 003036

Optional remote controls refer to page 300



Optional surface-mounting adapters refer to page 300



Optional guard cage refer to page 300

