**Presence Detectors**
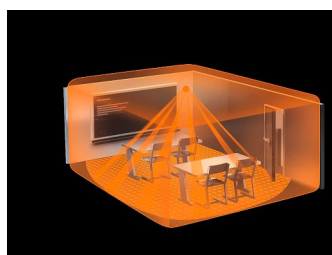**DualTech**
**Overview Presence Detectors**

**Information copy**

**The best of both worlds. Combined in one detector.** Ultrasonic presence detector DualTech, ideal for offices, conference rooms and class rooms. 36 sq.m. presence zone, ultrasonic technology provides reliable detection behind objects regardless of te
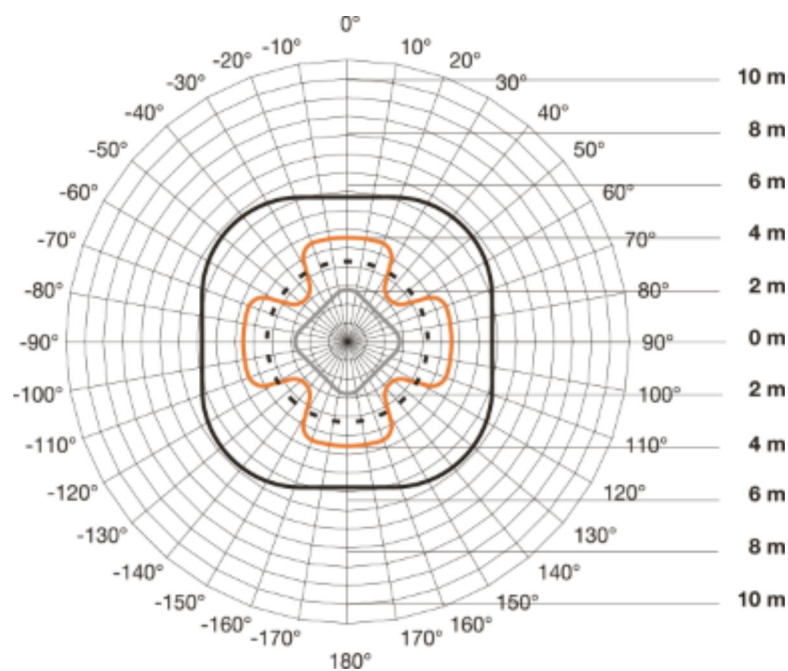


**Details**

Available from July 2015!

**Light ON/OFF – automatically**
Highly innovative sensors respond to movements and light levels, automatically and instantaneously switching the light ON and OFF again after a preselected time.

**High-end to the power of two. STEINEL DualTech combines the best qualities of passive infrared (PIR) and ultrasound, making it one of the most innovative and sensitive 360° presence detectors in the world.** STEINEL DualTech configured for COM1 connection with an interface for switching light ON and OFF in relation to the human presence and ambient light level. Unique: it has a 40-kHz ultrasonic sensor as well as a passive infrared sensor. Giving it far better detection performance. Both technologies provide complete 360° detection over a detection zone of 6 x 6 m or 36 m². The passive infrared sensor system is the result of an ingenious combination of the precisely balanced optical system, STEINELs own software and the digital pyro sensors. Digital technology ensures optimum signal evaluation without the risk of switching errors. Ambient light level is measured by an integrated photodiode so that light is only switched ON when its actually needed. The twilight threshold can also be adjusted from 10 to 1000 lux. But in offices, conference rooms and classrooms, objects often restrict the infrared sensors detection zone. This is where the additional ultrasonic sensor comes in with its reach that is electronically adjustable. Benefit: with ultrasonic detectors, objects in a room are reliably detected. The waves envelop objects but do not penetrate them – walls neither. This means STEINEL DualTechs highly sensitive twin-sensor technology detects any movement within a room – also behind individual objects. Like all products from STEINEL PROFESSIONAL, DualTech is synonymous with maximum precision, reliability and service life. On this we give a 5-year functional warranty.

**Technical specifications DualTech COM1**

| | |
|---|---|
| **European Article Number (EAN)** | 4007841007997 |
| **Model** | Presence detector |
| **Dimensions(w x h x d):** | 120 x 120 x 68 mm |
| **Voltage** | 220 - 240 V, 50/60 Hz |
| **Sensor type** | Ultrasonic 40 KHz and passive infrared |
| **Application** | inside buildings |
| **Installation** | Ceiling |
| **Recommended installation height** | 2.5-3.5 m |
| **Detection angle** | 360° |
| **Creep-under protection** | Yes |
| **Reach, US** | Ø 10 m radial, Ø 6 m presence / tangential |
| **Reach, PIR** | 3 x 3 m presence |
| **User-friendly setting capability** | Teach-in (with optional remote control RC8) |
| **Light-level setting** | 10 – 1000 lux, ?/daylight |
| **Light-level setting DIM** | 100 - 1000 lx<br/> ∞ / daylight |
| **Response brightness** | 10-1000 lx |
| **Teach-function for response value luminosity** | Yes |
| **Parallel-connected configurations** | Master/slave<br/> Master/master |
| **Can be connected in parallel** | Yes |
| **Degree of protection (IP)** | IP20 |

| | |
|---|---|
| **Protection class** | II |
| **Temperature** | -25-+55 °C |
| **IQ mode** | Yes |
| **Model** | COM1 |

**Application**

indoors, ceiling mounting
ideal for offices, conference rooms and class rooms