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 temperature, additional detection capability with PIR technology, electronic adjustment for ultrasonic reach, COM1 for switching light ON and OFF.

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, STEINEL's 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 it's 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 sensor's 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 DualTech's 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
Type	Presence detector
Dimensions(h x w x d):	120 x 120 x 68 mm

Voltage	220 - 240 V, 50/ 60 Hz
Sensor type	Passive infrared, 40 KHz ultrasonic
max. output (resistive load, incandescent lamp)	2000 W
max. output (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps)	1000 VA
Output	- Max. "ON" current 800 A/200 ?s - 30x (1x14W, 25x (2x14W), 25x (1x35W) , - 15x (2x35W), 20x (1x54W), 10x (2x54W) Pay attention to specific "ON" currents of electronic ballasts and/or LED drivers.
Detection angle	360°
Reach	6 x 6 m presence detection 10 x 10 radial / tangential detection
Light-level setting	10 – 1000 lux, ?/daylight
Time setting	30 sec. – 30 min., pulse mode (approx. 2 sec.) IQ mode (automatic adjustment to usage profile)
IP rating	IP20
Protection class	II
Temperature range	-20-+55 °C
Material	Polycarbonate
Model	COM1

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