Product Information

Dual-Technology Presence Detector

Part No. CPD-360DUALTECH

FEATURES AND BENEFITS:

• High performance presence detector with dual sensor technology

• PIR

• Ultra Sonic - Sensor emits a 32KHz ultrasonic sound wave. Using the Doppler effect, When a human body part moves even slightly, the movement changes tone of the sound (Doppler Shift) the sensor picks up the change then switches the relay

• 4 modes - 1. PIR/US - Load will switch on when **either** PIR or US are triggered

　　　　　2. PIR + US - Load will switch on when **both** PIR and US sensors are triggered the load will stay on when **either** PIR or US are triggered

　　　　　3. PIR only - Load will switch when PIR is triggered

　　　　　4. US only - Load will switch when US is triggered

• ACC feature- air current compensation, used when AC duct affects US triggering

• 8m detection range for PIR and 10 x 16 for US

• Surface mount option with junction box included

• IR remote control optional but recommended

• HVAC compatible

• Typically used in multi stall bathrooms and partitioned offices including glass partitioning

Ceiling surface mount with JB-46 junction box (Included)

User-friendly and adjustable Lux, Meter, triggering method & ACC knobs for user's flexible and easy adjustment

IR remote control for easy and convenient settings on detector (optional purchase)
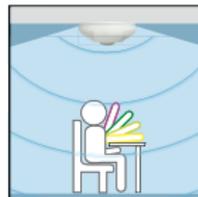
Ultrasonic sensor is able to detect small movement and is more sensitive for the movement towards it

In support of our policy of continuous product improvement we reserve the right to change materials and specifications without notice. Drawings, where used, are not to scale. All dimensions are in millimetres and sizes given are approximate. Where possible, technical MSDS data sheets are made available on the website. All products should be installed and used in accordance with manufacturer's instructions provided. Warning: products may be the subject of registered designs and patents. Refer to website for terms and conditions on warranty.

Product Information

SPECIFICATIONS:

Feature	Description	
Rated Voltage	220 - 240V ~ 50/60Hz	
Load	**For lighting:** **(with jumper wire)**	Incandescent Lamp: max. 2000W AC Halogen Lamp: max. 1000W LV Halogen Lamp: max. 1000VA/600W (traditional) max. 1000VA/900W (electronics) Fluorescent Lamp: max. 900VA/100μF 25 x (1 x 18W) ; 12 x (2 x 18W) 15 x (1 x 36W) ; 7 x (2 x 36W) 10 x (1 x 58W) ; 5 x (2 x 58W) max. 1000VA/600W (uncompensated) LED Lamp: max. 400W Energy Saving Lamp: max. 600VA/400W (include CFL and PL Lamp)
	For HVAC: **(remove jumper wire)**	max. 10A (cos ∅ = 1) for ≤ 250VAC max. 5A for 30VDC max. 3A (cos ∅ = 0.4) for ≤ 250VAC
Detection Angle	360°	
Detection Range (H = 2.5m)	PIR 360° circular, adjustable up to Φ 8m US 360°, adjustable up to 10m x 16m, its an oval shape	
Auto Off Timer Adjustment	Adjustable from approx. 5 seconds to 30 minutes, Test & ⌐1s⌐	
Lux Adjustment	Adjustable from approx. 10 Lux to 1000Lux	
ACC ON/OFF	Select "ON" for activating or select "OFF" for deactivating air current compensation function	
Triggering Methods	PIR + US, PIR only, US only, PIR or US	
Ultrasonic Sensor Frequency	32KHz	
Operating Temperature	0°C to +45°C	
Environmental Protection	Class II, IP20	
Number of Sensors	PIR x 1 & Ultrasonic x 2	

DIMENSIONS (MM):

- CPD-360 Dual Tech: Φ111.5 x 67mm

Φ111.5
52
43.5
67
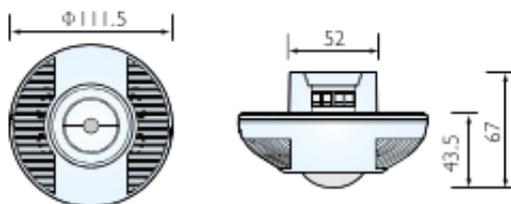
- Detector with junction box (for optional purchase)

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Product Information

DETECTION COVERAGE:

* Sensor: PIR x 1 + US x 2
Top view — 360° — US 10m — PIR Φ8m — US 16m
Side view — 2.5m — PIR Φ8m — US 16m
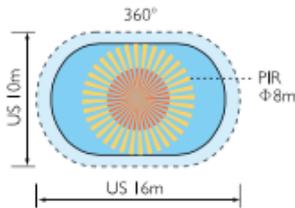
* Sensor: US x 2
Top view — 360° — US 10m — US 16m
Side view — 2.5m — US 16m
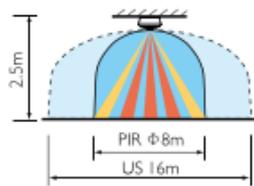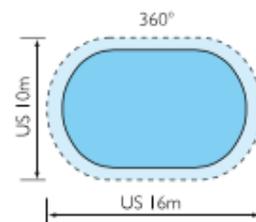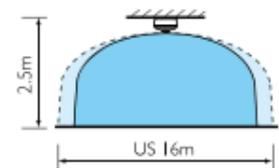
ACCESSORIES:

**Optional**

CPD-DualTech-RC
Remote Control

Included

Junction Box Surface Mount

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