

DUS360CR-DA

Multifunction Sensor



Specification Sheet

Sensors > Low Bay



Low-profile recessed 360° ceiling sensor

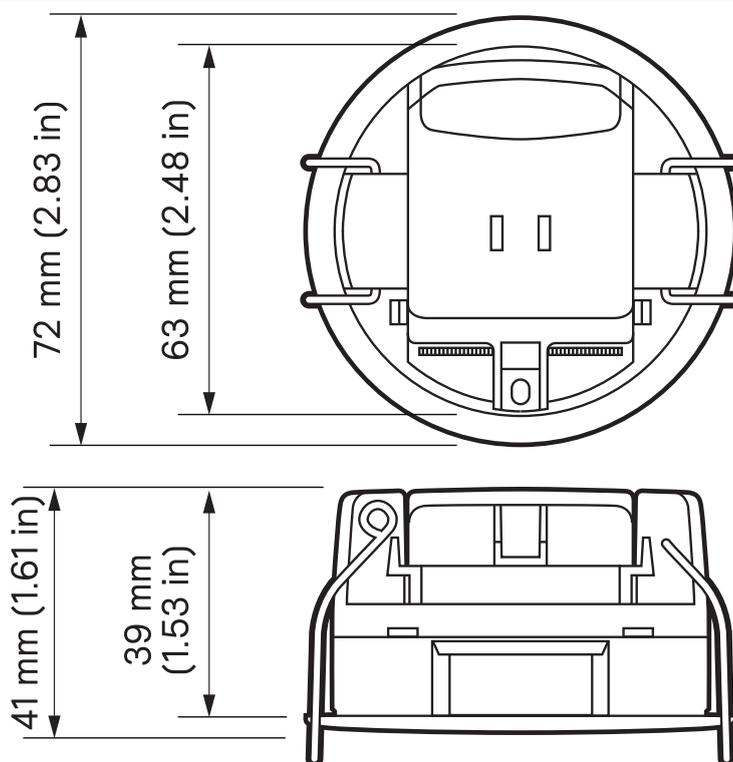
The Dynalite DUS360CR-DA is a recess mountable 360° motion sensor that combines motion detection (PIR), infrared remote control reception (IR), and ambient light level detection (PE) into one device.

Integrated DIP switches allow physical adjustment of the sensor's area addressing, no-motion time-out period, and corridor hold functionality for commissioning-free installation and replacement.

Key Features

- **Motion detection feature** - Detects the presence or absence of motion and adjusts lights accordingly.
- **Segmented click-up bezel** - Surrounds the motion sensor element and enables a portion of the sensing field to be masked. This prevents nuisance detection from adjacent doorways or corridors.
- **No software setup** - All functionality can be achieved via the built-in DIP switches, including area addressing, no-motion time-out, and other advanced features.
- **Rapid configuration** - Control up to 31 individual addressing areas.
- **User-selectable options** - Easily set no-motion time-out to 30 sec, 5 min, 15 min, or 30 min
- **Corridor hold** - Links corridor areas with adjacent rooms so corridor remains lit while occupancy is detected in adjacent rooms.
- **Suitable for plenum use** - UL 2043 certified for installation in air-handling plenum spaces.

Dimensions



Specifications

Electrical	
Supply Type	DyNet
Supply Voltage	12/24 VDC
Supply Current	10 mA (max)
IEC Overvoltage Category	II

Motion Detection (PIR)	
Sensor	Quad element pyroelectric
Max Detection Range	5 m (16.4 ft) Typical range at ≤25°C (77°F) Range reduced at higher temperatures

Light Detection (PE)	
Lux Range	5-5,000 lux

Control	
Communication Ports	1 x RS-485
Supported Protocols	DyNet
User Controls	Infrared (RC5 IR remote control) 1 x service switch 8 x configuration DIP switch
Indicators	1 x motion LED (red)

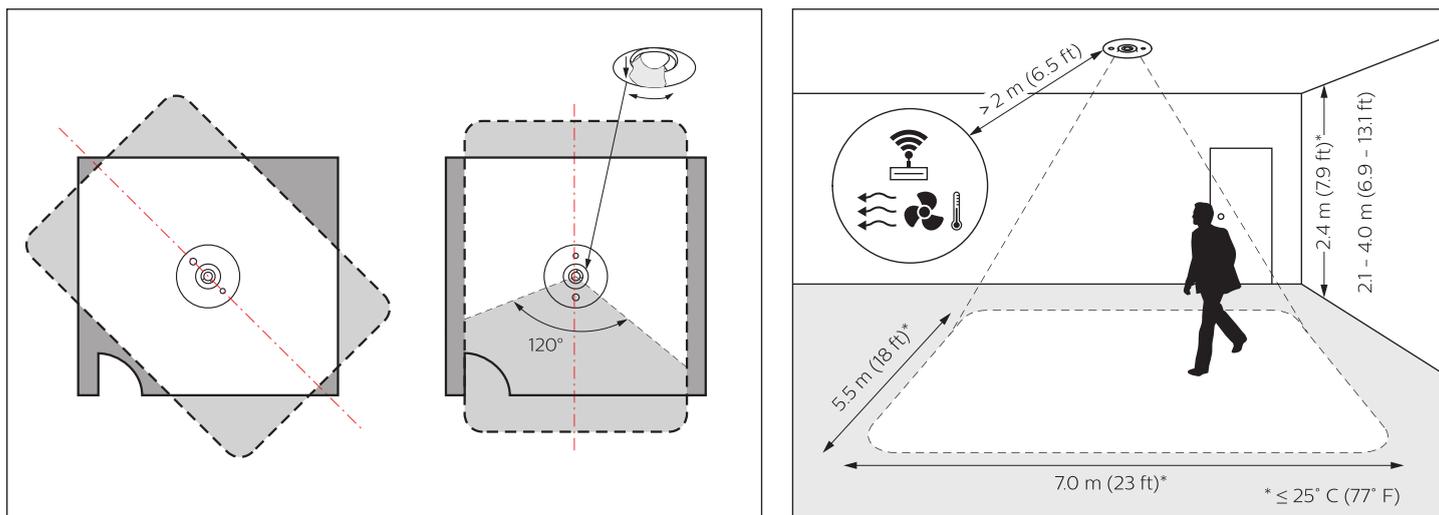
Physical	
Dimensions	41 x 72 mm (1.61 x 2.83 in)
Packed Weight	0.105 kg (0.23 lb)
Construction	Polycarbonate enclosure
Colour	RAL9010 (White)
Serial Ports	1 x 5-way screw terminal
Serial Port Conductor Size	0.3-2.5 mm ² (#22-12 AWG)
Mounting Substrate Thickness	3-25 mm (0.12-0.98 in)

Environment	
Operating Temperature	0° to 45°C ambient (32° to 113°F)
Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
Relative Humidity	≤90% non-condensing
IEC Pollution Degree	II
Installation Note	For indoor installation only

Compliance	
Certifications	CE, RCM, UL/cUL, FCC, ISED, UKCA
Sustainability	RoHS
IP Rating	IP20
Plenum Rating	UL2043



Detection Area



Ordering Codes

Product	12NC
DUS360CR-DA	913703029309

Accessory		12NC
DINGUS-DUS-RJ12-DUAL	Dual RJ12 connector (pack of 10)	913703064309
DINGUS-DUS-RJ45-DUAL	Dual RJ45 connector (pack of 10)	913703064409
IRT9090/01	Commissioning & testing RC5 IR remote control	913700359103