



DUS90CS

Multifunction Sensor

Wall/ceiling mount 90° multifunction sensor

The DUS90CS is wall or ceiling mountable multifunction sensor that combines motion detection (PIR), infrared remote control reception (IR) and ambient light level detection (PE) into one device for applications such as offices, lecture theaters and homes.

Manufactured with an IP54 rating, the DUS90CS is resistant to dust and splashing, making it suitable for use in both indoor and sheltered outdoor areas.

Specifications

Due to continuous improvements and innovations, specifications may change without notice.



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Electrical

Supply Type	DyNet
Supply Voltage	12/24 VDC
Supply Current	20 mA (max)
IEC Overvoltage Category	III

Motion Detection (PIR)

Sensor	Dual element pyroelectric
Maximum Detection Range	20.6 m (67.6 ft)*
Scan Beam Angle	90°
Detection Area	See next page

Light Detection (PE)

Lux Range	5-10,000 lux
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Control

Serial Ports	1 x RS-485
Supported Protocols	DyNet
User Input	Infrared (RC5 IR remote control)
Indicators	Red motion LED

* Typical detection range at $\leq 25^{\circ}\text{C}$ (77°F). Range is reduced at higher temperatures.

Physical

Dimensions (H x W x D)	98 x 90 x 153 mm (3.86 x 3.54 x 6.02 in)
Packed Weight	0.26 kg (0.57 lb)
Construction	Polycarbonate plastic enclosure
Color	White (RAL9010)
Serial Ports	1 x screw terminal
Screw Terminal Conductor Size	2.5 mm ² (#12 AWG) (max)

Environment

Operating Temperature	-20° to 45°C ambient (-4° to 113°F)
Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
Humidity	0 to 90% non-condensing
IEC Pollution Degree	II

Compliance

Certification	CE, RCM, UL/cUL, FCC, ICES, UKCA, RoHS
IP Rating	IP54 (When installed as per manufacturer instructions)



Ordering Code

Product

DUS90CS	Philips 12NC 913703244209
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Accessories

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

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