




To reduce the risk of device failure, do not expose this device to rain or moisture. Installation, programming and maintenance must be carried out by qualified personnel. All local wiring and electrical regulations must be followed when installing device.



WARNING

This is a SELV (Safety Extra Low Voltage) device and must be isolated and segregated from mains and other wiring as per the local wiring rules

To reduce the risk of device failure and to avoid damage to the unit, disconnect network and device power before installation or servicing. It is recommended that an electrician perform this installation.

Do not expose this device to rain or moisture. Connect the cable shield to the provided shield termination on the device connection port. If no shield termination is provided on the device, connect the cable shield to the equipment grounding conductor of the supplying branch circuit(s). Installation, programming and maintenance must be carried out by qualified personnel.

Read Instructions – We recommend that you read these instructions prior to commencement of installation.

Check Connections – Ensure that all wiring terminals are securely connected.

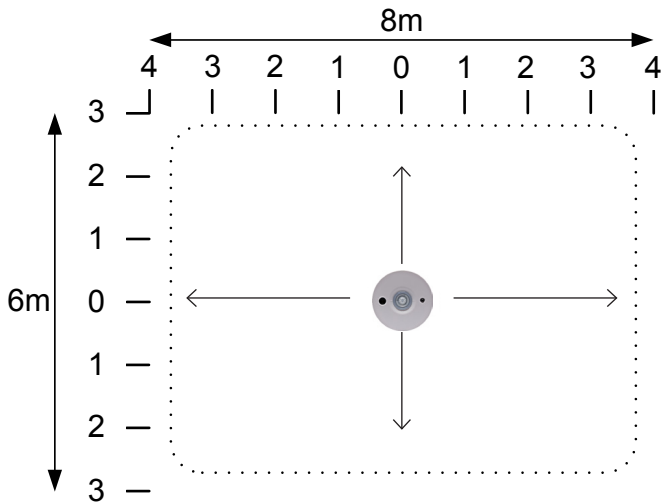
Mounting Location – For indoor use only. Select sensor locations as per user requirements. Note that the optimal locations for PIR and PE use may be different, requiring multiple sensors in the same area. This device is suitable for plenum use.

Data Cable – Use screened, stranded RS-485 data cable with four twisted pairs. Segregate from mains cables by at least 300mm. Connect devices in a 'daisy chain' configuration. A data cable that is connected to an energized device is live. Do not cut or terminate live data cables.

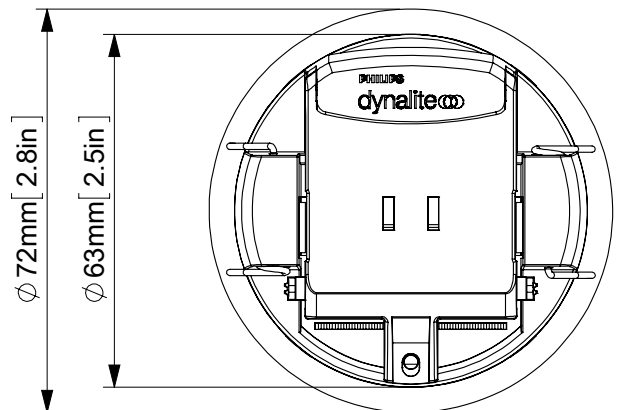
Power supply – This device must be powered by a certified class 2 energy limited source for North America, or SELV for EU regions.

Installation – Installation must be done in accordance to the local wiring code (or wiring rules). Installation of the home and building automation and control system shall comply with HD60364-4-41. The temperature limits and current-carrying capacities of the communication wires specified in HD 384.5.523 shall not be exceeded. Network Topology for installation is Daisy Chain.

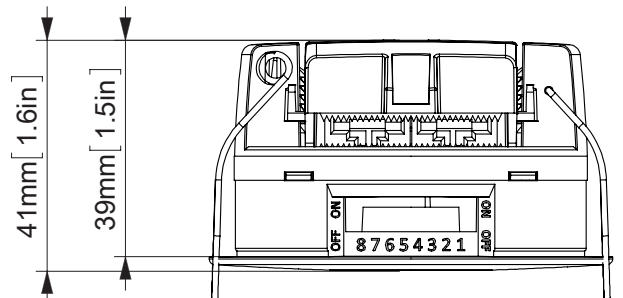
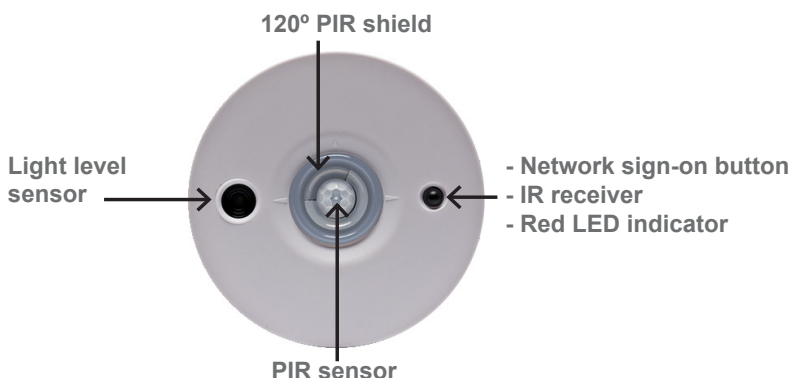
Lens Pattern



Dimensions



Hardware



Installation Steps

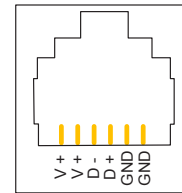
1. Install the sensor into a 64 mm wide round hole in a firm section of the ceiling. The mounting position should adhere to the following:
 - Ceiling height should be between 2.1 m and 4.0 m. Optimum height is 2.4 m.
 - Position the sensor at least 1 m away from electrical lighting such as neon and fluorescent lights.
 - Avoid exposure to direct sunlight and heating/cooling sources.
 - Position the sensor where pedestrian traffic is likely to move through the detection zone.
 - Note that the sensor coverage area is rectangular, approximately 7.6 m x 5.4 m (at 2.4 m installation height).
 - The detection range above is specified for an ambient temperature of 25°C. This range is reduced at higher temperatures.
2. If needed, pull out and rotate the PIR shield to block a 120° viewing angle.
3. DUS360CR-DA ONLY: Set the device's Area, Timeout and Corridor Hold ON feature using the DIP switches as detailed below and on the device label. If using Corridor Hold ON feature, enable this option on only one sensor in the designated corridor Area.
4. Terminate the DyNet cable as indicated below. If using the dual-socket RJ12 or RJ45 connector, follow the pinout shown. If terminated and powered correctly, the red indicator LED turns on for 5 seconds.



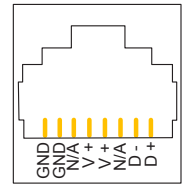
Recommended Cable Type

Dynalite DYNET-STP-CABLE or equivalent shielded four twisted-pair cable.

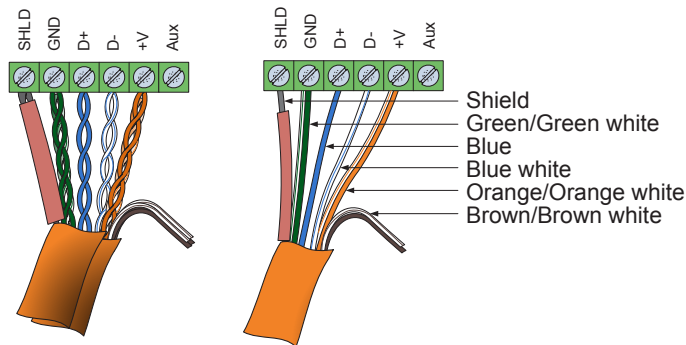
See the DYNET-STP-CABLE datasheet for more information.



RJ12 socket



RJ45 socket



Daisy chained device

First or last device

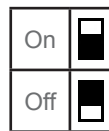
Recommended Cable Color Coding

Green/White Pair
Orange/White Pair
Blue/White Pair

Paralleled for GND
Paralleled for +V (12-24 VDC)
Blue for DATA+
White for DATA-
Brown/White Pair
Spare

Brown/White Pair

DIP Switch Area Selection Table



	5	4	3	2	1		5	4	3	2	1
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	21	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	23	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	26	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	28	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	29	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	31	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(DUS360CR-DA ONLY)					

Product Specifications

DyNet Terminal	5-way pluggable screw terminal 1 x 2.5mm ² conductor size
DyNet Network Supply	RS485 12-24 VDC, 20mA max
PIR sensor:	Quad element pyroelectric
Max detection range:	5 m
Detection area:	7.4 m x 5.6 m (at 2.4m mounting height)
Detection speed:	1 m/s
Detection object:	700 mm x 250 mm
Detection zones:	64
Activation indicator:	Red LED
PE cell:	<5 to >5000 lux (reflected) Automatic daylight harvesting mode
Controls:	DIP switch (DUS360CR-DA only) Service switch Infrared receiver (supports RC5)
Compliance:	cULus, CE, RCM, FCC, ICES-003
Operating Conditions:	Temperature: 0 to 45° C ambient Humidity: 0 to 90% non-condensing
Storage & Transport:	Temperature: -25 to 70° C ambient Humidity: 0 to 90% non-condensing
Construction:	Polycarbonate plastic enclosure
Dimensions:	72 mm dia. x 41 mm (2.8" dia. x 1.6")
Packed Weight:	105 g