IS 345 DCS

Digital Control Solution - Occupancy Detector

steinel

Project Name:
Location:

72500	65330	69196
80208	72660	

IS 345 DCS Specifications

Item No.	72500 IS 345 DCS
Accessories	65330 WGC wire guard cage 69196 DCS CONNECT 80208 DCS Controller 72660 IS FMA DCS
Voltage	12 - 22.5 VDC (6 mA)
Device Equivalent	3
Mounting	Ceiling
Sensing Technology	2 infrared pyroelectric detectors (PIR)
Time Setting	Selectable over the DCS App. Up to 30 mins.
Light Level Setting	.2 - 2,000 lux / 0.2 - 200 fc
Environment	IP54 rated, -40°F to +158°F, -40°C to +70°C
Coverage at 8 ft. Mounting Height	180° horizontal detection angle, 45° vertical detection radial: 30 x 12 ft. (9 x 4 m.) tangential: 84 x 18 ft. (5 x 5 m.)
Installation Height	8-13 ft. (2.5-4 m.)
Lens Design	280 switching zones. 5 detection levels
Dimensions (LxWxD)	3.74 x 3.74 x 3.11 in 97 x 95 x 79 mm
Warranty	5 years
Certifications	C-UL-US Listed, RoHS Compliant, UL 2043 Plenum Rated, CA Energy Code Compliant

With a unique, specially designed detection lens, the IS 345 DCS occupancy detection sensor is ideal for controlling lights in long corridors or aisleways. The sensor is part of the STEINEL family of high performance commercial occupancy sensors. IS 345 DCS sensors are passive infrared and respond to heat radiated from human body motion.

The Digital Control Solution (DCS) group of sensors are available in multiple technologies for the control of heating, ventilation and air conditioning as well as lighting. Time saving wireless commissioning is accomplished via Bluetooth connection from a Smart Phone or Tablet to a DCS Controller, which communicates to the sensor by the 2 wire bus.

Applications
Useful for aisles, storage facilities, data centers, large spaces where huge reach is needed, such as corridors and ceiling mount applications.

Key Features:

- Low voltage (12 - 23 VDC) digital sensor for use with a DCS Controller
- Polarity insensitive 2 wire bus
- 2 pyroelectric detectors with 280 switching zones provides sensitive motion detection for corridors
- Automatically adjusts to temperature changes keeping sensitivity and coverage consistent
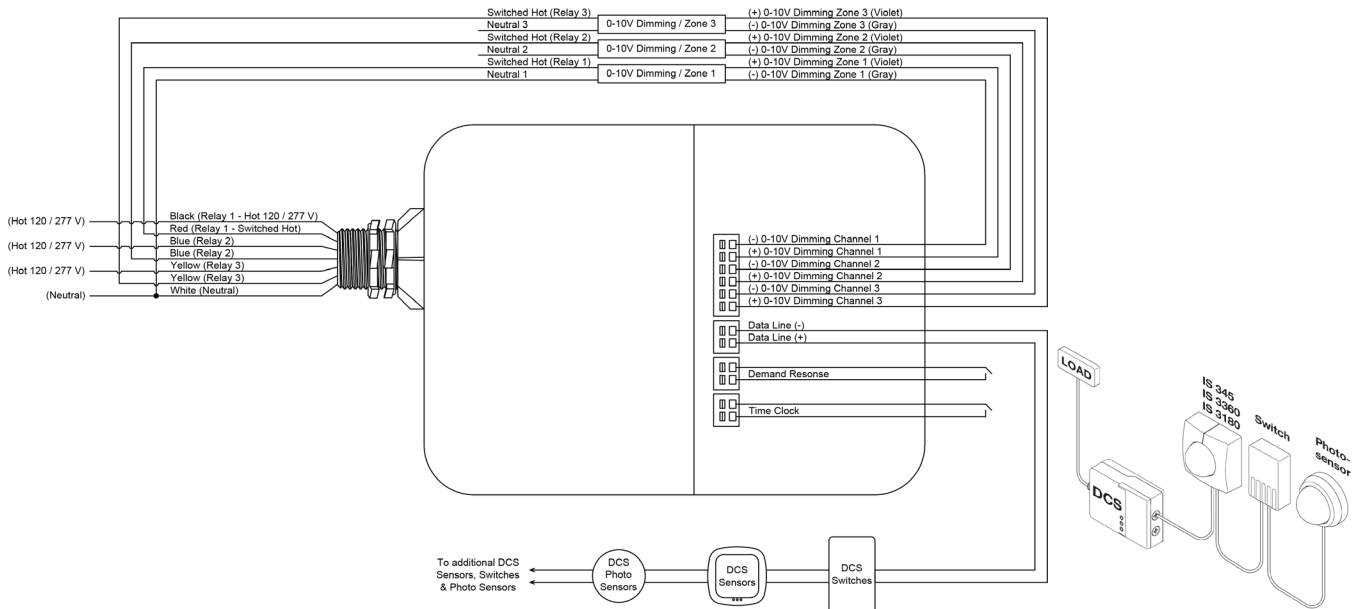
PIR
Passive Infrared Technology

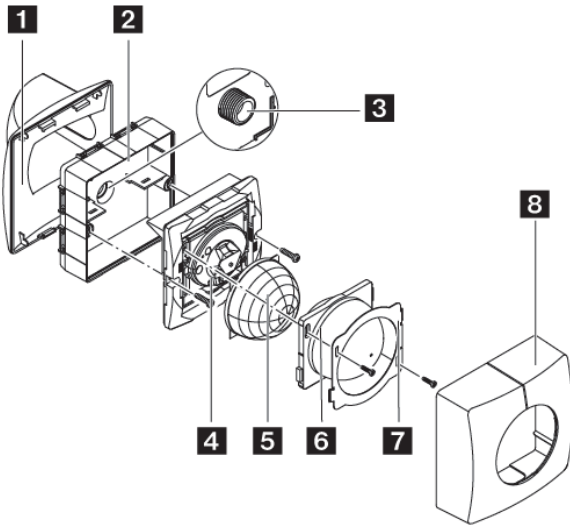**Corridor Coverage**

IP54
IP54

Ceiling or Fixture
Mounting

IS 345 DCS

Digital Control Solution - Occupany Detector

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Wiring

Switched Hot (Relay 3)	0-10V Dimming / Zone 3	(+) 0-10V Dimming Zone 3 (Violet)
Neutral 3		(-) 0-10V Dimming Zone 3 (Gray)
Switched Hot (Relay 2)	0-10V Dimming / Zone 2	(+) 0-10V Dimming Zone 2 (Violet)
Neutral 2		(-) 0-10V Dimming Zone 2 (Gray)
Switched Hot (Relay 1)	0-10V Dimming / Zone 1	(+) 0-10V Dimming Zone 1 (Violet)
Neutral 1		(-) 0-10V Dimming Zone 1 (Gray)

(Hot 120 / 277 V) — Black (Relay 1 - Hot 120 / 277 V)
Red (Relay 1 - Switched Hot)
(Hot 120 / 277 V) — Blue (Relay 2)
Blue (Relay 2)
(Hot 120 / 277 V) — Yellow (Relay 3)
Yellow (Relay 3)
(Neutral) — White (Neutral)

(-) 0-10V Dimming Channel 1
(+) 0-10V Dimming Channel 1
(-) 0-10V Dimming Channel 2
(+) 0-10V Dimming Channel 2
(-) 0-10V Dimming Channel 3
(+) 0-10V Dimming Channel 3

Data Line (-)
Data Line (+)

Demand Resonse

Time Clock

LOAD

IS 345
IS 3360
IS 3180
Switch
Photo-sensor

DCS

To additional DCS Sensors, Switches & Photo Sensors
DCS Photo Sensors
DCS Sensors
DCS Switches

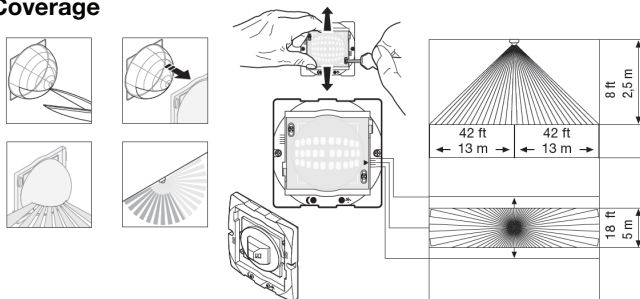## Product Overview

1 Fixture Mount Adapter (assessories) not included
2 Back housing
3 1/2" (trade size) threaded nipple
4 Front housing
5 Shroud
6 Lens
7 Press plate
8 Design cover

Coverage

42 ft / 13 m   42 ft / 13 m
8 ft / 2,5 m
18 ft / 5 m

Mounting

DCS

1.
2.
3.