


TECTON TRIDONIC SENSOR

Daylight and Occupancy Sensor for
TECTON Trunking System

- PIR Sensor with ambient light dependent control and motion detection
- Bright-out function: luminaire is not switched on if there is adequate illumination (programmable)
- Suitable for use with all Tecton Trunking system compatible luminaires
- Can be remote controlled
- Individual adjustment of multiple parameters with basicDIM ILD 0-10V Programmer

 Suitable for Dry Locations

Order Code

SENSOR

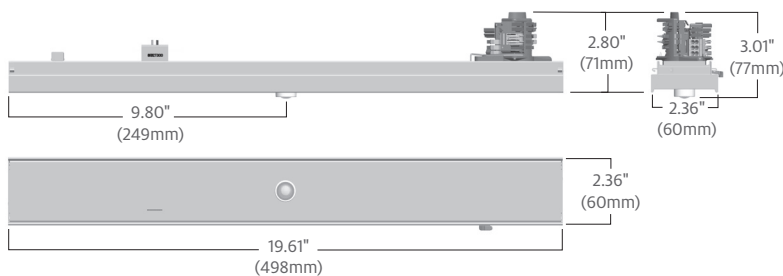
11056952 Tecton Tridonic Sensor White

11056953 Tecton Tridonic Sensor Black

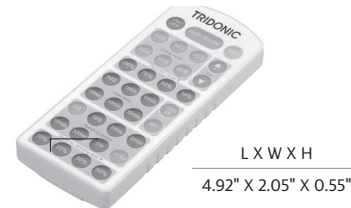
OPTIONAL ACCESSORIES

28 001 981 BasicDIM ILD Programmer/remote control

Sensor Dimensions



Programmer Dimensions



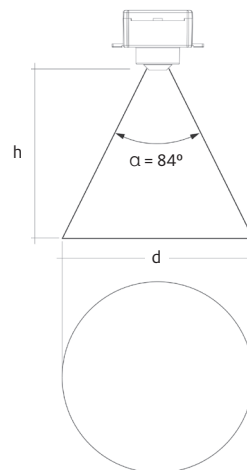
Technical Detail

| | |
|---|-----------------|
| Rated supply voltage | 120 – 277 V |
| Mains frequency | 50 / 60 HZ |
| Power | < 1 W |
| Stand-by power | < 1 W |
| Max. switching output [VA] fluorescent/LED at 120 V | 1.7 A / 200 VA |
| Max. switching output [VA] fluorescent/LED at 277 V | 1.5 A / 400 VA |
| Max. switching output [W] resistive at 120 V | 4.2 A / 500 W |
| Max. switching output [W] resistive at 277 V | 4.2 A / 1,200 W |
| Momentary-action switch input for dimming | Single |
| Max. output cable length at 1–1.5 mm ² for 0-10V interface | 328.08 ft |
| Max. output cable length at 1–1.5 mm ² for L' (switched phase) | 328.08 ft |
| Max. output cable length at 1–1.5 mm ² for pushbutton terminal | 164.04 ft |
| Light detection angle | 84° |
| Motion detection angle | 84° |
| Light measurement at the sensor head ¹ | 5 – 40 fc |
| Illuminance (factory default) ² | 10 fc |
| Cable length sensor | 11.81 in |
| Infra-red control range | 16.4 ft |
| Max. mounting height | 16.4 ft |
| Operating temperature | -4 ... +131 °F |
| Max. casing temperature tc | 158 °F |
| Storage temperature | -13 ... +158 °F |
| Relay switching cycles | 100,000 |
| Type of protection | IP20 |

¹ The measured value at the sensor head corresponds to approx. 18 to 150 foot candles on the surface measured.

² The illuminance is set for a room defined by Tridonic. Depending on the actual room (reflectance) the measured illuminance may deviate from this value. The illuminance should therefore be checked in the installation and adjusted if necessary.

Sensor Coverage



| h | d |
|------------------|------------------|
| 5.58 ft (1.7 m) | 13.12 ft (4.0 m) |
| 6.56 ft (2.0 m) | 14.76 ft (4.5 m) |
| 7.55 ft (2.3 m) | 16.40 ft (5.0 m) |
| 8.20 ft (2.5 m) | 18.04 ft (5.5 m) |
| 8.86 ft (2.7 m) | 18.70 ft (5.7 m) |
| 9.84 ft (3.0 m) | 19.69 ft (6.0 m) |
| 11.48 ft (3.5 m) | 20.67 ft (6.3 m) |
| 13.12 ft (4.0 m) | 23.62 ft (7.2 m) |
| 14.76 ft (4.5 m) | 24.93 ft (7.6 m) |
| 16.40 ft (5.0 m) | 27.56 ft (8.4 m) |

One sensor is required for every new power feed