

Datasheet

DW-FLATSCAN3D - Safety Sensor for Swing Doors

Product Description

The DW-FLATSCAN3D sensor is a new addition to CDVI's range of door automation sensors. It uses cutting-edge laser technology with volumetric field of view and time of flight to create an extremely accurate and reliable safety solution for swing door operators.

The DW-FLATSCAN3D accomplishes this using a volumetric curtain of 4 lasers and time of flight technology, rather than traditional infrared detection. The unit is the next generation of DW-FLATSCAN, enabling the door to work as a virtual presence detection system, enabling the door to only move when the whole pathway is clear. It also allows for virtual activation buttons.





Key Features

- Safety sensor for swing doors
- Volumetric laser & time of flight technology
- Extended coverage
- Additional hinge protection
- Virtual activation buttons
- Self-learning installation
- Self-adjusting in operation
- Ideal for DIGIWAY door operators



Certification



DEEE

RoHS Certification



IP44



-25°C to 60°C









Product Specifications

Material: Polycarbonate/ASA, Aluminium

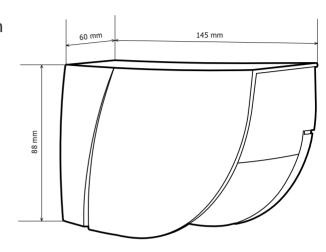
Mounting: Top corner of door leaf (max

4m high)

Field of Door wing safety: 80° **view:** Hinge area safety: 20°

Technology: Volumetric laser, time of flight

measurement



Detection

Detection

mode: Presence

Max range:4m (in diagonal)AngularCurtain 1: 0.2°resolution:Curtain 2: 1°

Curtain 3: 1.7° Curtain 4: 2.5°

Object

detection: 2cm @4m (Curtain 1)

Output Specifications

Relays: 3, 2 x COM/NC (Presence)

1 x COM/NO (Activation)

Max voltage: 42 Vac/dc Max current: 100mA

Electrical Specifications

Power input: 12-24Vdc **Consumption:** 166mA @ 2W

