

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

 Certification

 IP44

 -25°C to 60°C

All the information contained within this document (pictures, drawings, features, dimensions, specifications), could be perceptibly different and can be changed without prior notice. Published: 26 October 2021. CDVI_DW-FLATSCAN3D_01_EN_A4_C

Product Specifications

Material:	Polycarbonate/ASA, Aluminium
Mounting:	Top corner of door leaf (max 4m high)
Field of view:	Door wing safety: 80° Hinge area safety: 20°
Technology:	Volumetric laser, time of flight measurement

Detection

Detection mode:	Presence
Max range:	4m (in diagonal)
Angular resolution:	Curtain 1: 0.2° 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

