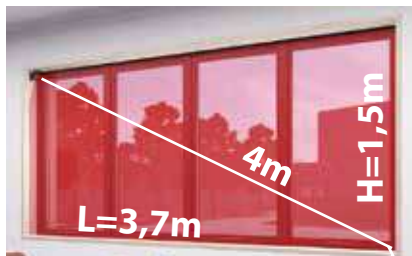


FLATSCAN W

FLATSCAN W is a laser technology sensor. It uses the time-of-flight measurement and background analysis to protect automatic windows. A FLATSCAN W module generates 400 measuring points capable of reaching a maximum distance of 4 m so as to offer complete protection to the user.

**LASER
Technology**



Total security for the window

The FLATSCAN W covers the entire window, including the inner frame borders, to protect hands and fingers while closing.



Easy, flexible fixture

It's universal fixture base offers major flexibility in terms of installation and allows various positions according to the usage and type of window.



Quick and intuitive configuration

The size of the security zone is defined by an easy manual movement. The height and width of the zone are automatically calculated.



Virtual push button

Optionally, one or two push buttons can be defined to activate the opening or closing of the window.



- Technology: LASER scanner, time-of-flight measurement, background analysis
- Detection mode: Presence
- Maximum detection distance: 4m (diag) con 2% reflectivity (ex.: a l=3,7m -> max. H=1,5m)
- Number of curtains / Number of measuring points: 1 / 400
- Angular resolution / Opening angle: 0,27° / 108°
- Dimensions of detected object: 2 cm (based on the parameters determined)
- Emission characteristics: Infrared LASER Wavelength 905 nm; max. pulse output 25 W; Class 1
- Power supply: 12-24 V DC $\pm$ 15%
- Consumption: $\leq$ 2W
- Typical response time: 400 ms
- Output: 2 electronic relays (galvanic isolation - non-polarised) - Maximum switching voltage: 42V AC/DC - Maximum switchable current: 100 mA
- Input: 1 optocoupler (galvanic isolated - polarity free) 30 V DC (over-voltage protected) - Log. H: >8 V DC; Log. L: <3 V DC
- Dimensions: 142 mm (L) $\times$ 85 mm (A) $\times$ 33 mm (P) (mounting bracket + 14 mm)
- Adjustment angle: -2° a +6° (with mounting bracket) / +2° a +10° (without mounting bracket)
- Degree of Protection: IP54
- Operating temperature: -30°C a +60°C
- Humidity: 0-95 % non-condensing
- Conformity: This product conforms to all applicable European Union legislation. Please refer to the Declaration of Conformity for further information.

Application

Full coverage of the window



**Recommended
for programming
FLATSCAN W**

**CTRL REMOTE
CONTROL**

> see page A102



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**FLATSCAN WINDOW
SX laser sensor**

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**FLATSCAN WINDOW
DX laser sensor**