

Sensors for industrial doors/
**Microwave motion and AIR presence sensor
 for industrial doors (opening and safety)**

HELIOS 2T



The **HELIOS 2T** combined sensor features a wide microwave field for quick activation. A double-row active infrared curtain detects people and vehicles within close range of the industrial door. The detector differentiates between vehicles and people, and reliably masks both them and crossing traffic. Helios 2T thus reduces door opening times, cuts down significantly on the energy consumed by the building and makes decisive contributions to sustainability.

**Double
technology**



**ENERGY
SAVING**



**IP65
protection**



Helios 2T is easy to start up and configure with the user-friendly mobile app **Helios 2T SmartConnect**.

Precise and clear positioning of the microwave field and active infrared curtain thanks to the setting screws and scale



Optical feedback clearly indicates the operating status with an LED ring



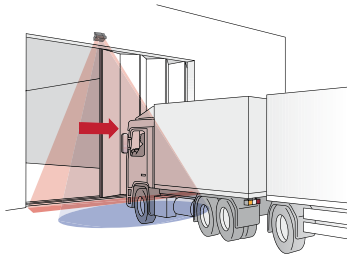
Reduced consumption thanks to energy-saving functions.

Helios 2T opens the industrial door only for vehicles and keeps it open as needed. Cross traffic masking prevents unintended opening.

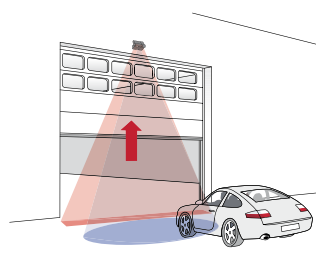
AUX output - Can be used as a signal to open the door or can be used in combination with an alarm signal for early recognition.

Applications

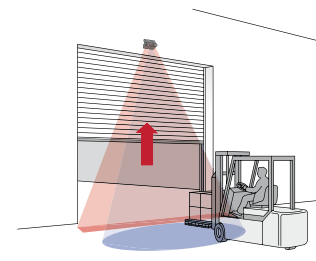
automatic opening and presence detection on industrial doors



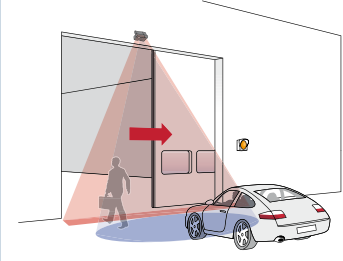
activation of industrial doors by persons and vehicles



high-speed doors in logistics and temperature-sensitive door systems



collision warning from an early detection signal



Technology: Microwave Doppler effect, active infrared reflection

Transmission frequency: 24.2 GHz

Transmitter radiated power: < 12,70 dBm

Operating voltage: 12–24 VAC $\pm 10\%$ (50/60 Hz), 12–30 VDC $\pm 10\%$

Power consumption: < 3 W (< 4,5 VA con AC)

Mounting height: from 2 m to 6 m

Housing material: ABS / PA black color

Degree of Protection: IP65

Activation output: semiconductor relay, max. 50 VAC/V DC, max. 0.3 A (resistance load)

Additional safety output: Semiconductor relay, max. 50 VAC/V DC, max. 0.3 A (resistance load)

AUX output*: Semiconductor relay, max. 50 VAC/V DC, max. 0.3 A (resistance load)

Communication method: Bluetooth LE (version 4.0)

Operating temperature: from -35 to +55 °C

Dimensions: 210 × 50 × 130 mm

Certifications: EN 61000-5-2:2005; EN 61000-6-3:2007/A:2011/AC2012; EN 300 323 V2.1.1:2016-11; EN 300 440 V2.2.1:2018-07; EN50581:2018



Download the Helios 2T SmartConnect app

APE - 791 / 389462



**HELIOS 2T
Radar motion sensor
+ AIR**

* The detector can send an output signal such as a flashing light or an alarm siren to other devices