

## **OEM Automatic Ltd**

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## **SAFETY RADAR S202A-MV**

S202A-MV 90307013.1A0 Radar presence sensing 48m³, 3 parameter set up

- Configuration requires 3 parameters
- Max sensing volume of 48 m<sup>3</sup>
- · Certified safety function
- · Easy to install





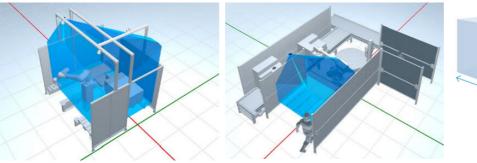
## PRODUCT DESCRIPTION

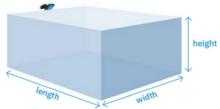
The S202A-MV is part of Inxpect's Plug & Safe 200 Series, using 60 GHz FMCW millimetre-wave radar to monitor volumetric spaces for human presence. For configuration three parameters (height, length, width) are needed, supporting maximum detection volume of around 48 m³, with installation heights from 2.5 m to 3 m and lateral span ±2 m. The sensor is ruggedly built with a PA66 front and aluminium back, rated to IP67, and operates in temperatures from – 30 °C to +60 °C. It draws just 2.6 W at 12 V DC via robust M12 5-pin connectors and supports CAN-bus communication (120 Ω termination required). Integration is enhanced by the intuitive Inxpect Safety Studio, allowing 3D visualisation of coverage for fast and accurate commissioning.

Designed to prevent unexpected machinery restarts, the S202A-MV monitors hazardous zones to ensure operators are clear before enabling automated processes. It complies with EN ISO 10218-2 safety standards, making it an ideal fit for robotic cells, loading areas, conveyors, and any scenario where a machinery restart with personnel present would pose a risk. Radar-based detection remains reliable even in environments challenged by dust, smoke, humidity, or visual obstruction while its compact design eases retrofit into both new and existing systems.

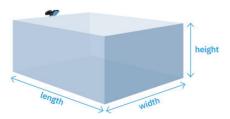
## **TECHNICAL DATA**

Data	CAN
IP class	IP67
Manufacturer part no.	90307013.1A0
PL	d
Power consumption	2.6 W
Safety category	3
SIL	2
Supply voltage	12 V
Temperature range fixed use from	-30 °C





Easy to Install
Configuration requires only 3 parameters: height, length and width
Max volume: up to 48 m³



 $In stall at ion height from 250 cm to 300 cm (from Reference Plane). \\ Width from -200 cm to +200 cm (min 50 cm).$