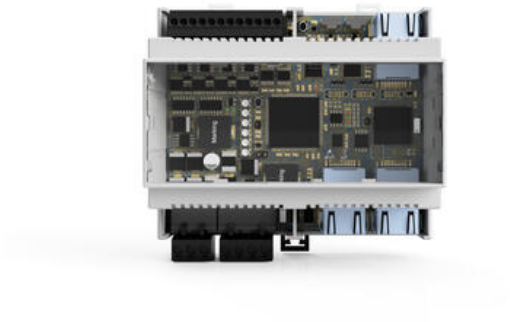
**OEM Automatic Ltd**
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

# CONTROL UNIT FOR SAFETY RADAR

C201A-PNS
90301011 PROFIsafe, Ethernet and Digital I/O FW 2.0.0

- The detection area can be modified in real time
- The system's sensitivity, warning area and inputs can be configured to suit individual requirements
- Supports PROFIsafe, EtherCat and CIP Safety



### PRODUCT DESCRIPTION

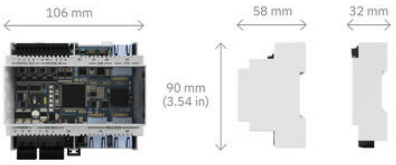
Inxpect's control units are the core of their advanced safety radar systems, designed to deliver high-performance protection in industrial environments where traditional safety devices may fall short. The ISC control devices can monitor up to six sensors simultaneously, providing flexible coverage for complex layouts. These units feature an Ethernet field bus connection, enabling remote configuration and diagnostics through the intuitive Inxpect Safety Application. Standard models allow the programming of up to four secure detection fields, with the added ability to switch between two configurations via digital inputs—ideal for dynamic workspaces. For more advanced requirements, the Profibus variant supports up to 32 detection fields and real-time dynamic range adjustment, offering a robust and adaptable safety solution.
Engineered with industrial versatility in mind, the ISC control units also include multiple inputs for integrating emergency stop buttons, manual resets, and sensor disconnection. This makes them highly suitable for challenging and hazardous environments where safety is paramount. Common applications include sawmills and woodworking facilities, cement plants, steelworks, and robotic cells—industries where dust, debris, and harsh conditions can render optical safety devices ineffective. By leveraging radar technology and intelligent control, Inxpect's systems ensure reliable human presence detection without compromising on productivity or safety.

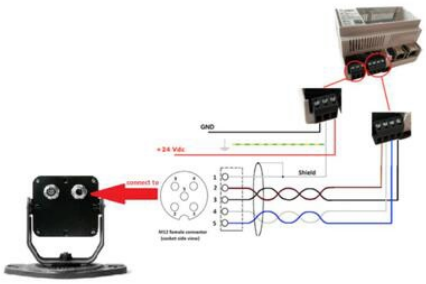
# TECHNICAL DATA

| | |
|---|---|
| **Supply voltage** | 24 V dc (20–28 V dc) |
| **Power consumption** | 5 W |

| | |
|---|---|
| **IP class** | IP20 |
| **Width** | 106 mm |
| **Mounting** | DIN rail |

| | |
|---|---|
| **PL** | d |
| **SIL** | 2 |
| **Safety category** | 3 |

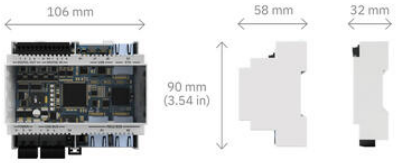


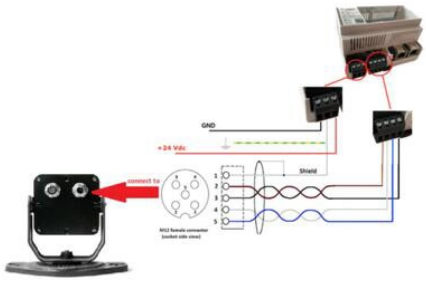




| | Inxpect Safety version | | | | |
|---|---|---|---|---|---|
| Control unit firmware version | 2.5.x | 2.6.x | 2.7.x | 2.8.x | 2.9.x |
| 1.5.0 | OK | OK | NO | NO | NO |
| 1.6.0 | NO | OK | OK | OK | NO |
| 2.0.0 | NO | NO | OK | OK | OK |
| 2.0.1 | NO | NO | NO | NO | OK |
| 2.1.0 | NO | NO | NO | OK* | OK* |
| 2.1.1 | NO | NO | NO | NO | OK* |

***Note****: *if there is at least one S202A sensor in the system, please use Inxpect Safety Studio application.*

| | Inxpect Safety Studio version |
|---|---|
| Control unit firmware version | 1.x.y |
| 2.1.0 | OK |
| 2.1.1 | OK |




| | Inxpect Safety version | | | | |
|---|---|---|---|---|---|
| Control unit firmware version | 2.5.x | 2.6.x | 2.7.x | 2.8.x | 2.9.x |
| 1.5.0 | OK | OK | NO | NO | NO |
| 1.6.0 | NO | OK | OK | OK | NO |
| 2.0.0 | NO | NO | OK | OK | OK |
| 2.0.1 | NO | NO | NO | NO | OK |
| 2.1.0 | NO | NO | NO | OK* | OK* |
| 2.1.1 | NO | NO | NO | NO | OK* |

***Note****: *if there is at least one S202A sensor in the system, please use Inxpect Safety Studio application.*

| | Inxpect Safety Studio version |
|---|---|
| Control unit firmware version | 1.x.y |
| 2.1.0 | OK |
| 2.1.1 | OK |