

The GS-208-CO interface for carbon monoxide detectors Ei208(D)W

This product is a plug-in module produced by Jablotron Alarms to be connected directly to the Ei208W stand-alone carbon monoxide detector and also the Ei208DW and allow their connection with a security system or any other appliances with suitable input. The module provides floating outputs for an alarm and faults detected by the own detector.

The product can be installed by a trained technician with a valid certificate issued by an authorised distributor.

Installation

Select an appropriate installation place considering the Ei208(D)W detector installation manual

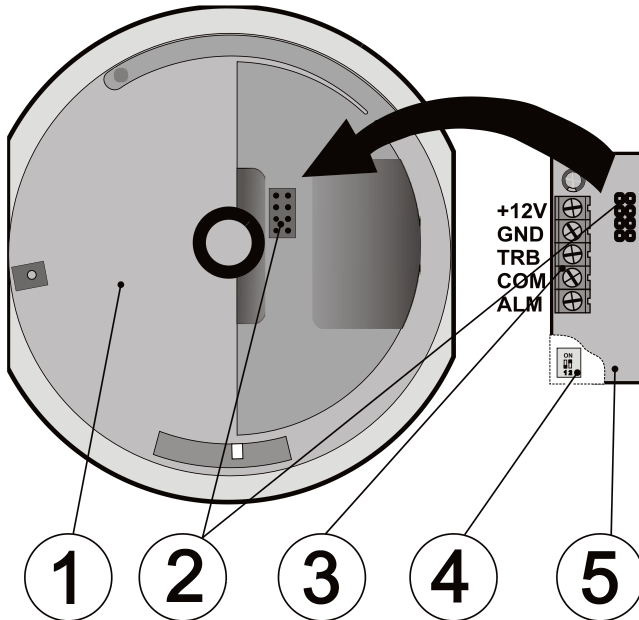


Figure: 1 – Ei208(D)W detector, 2 – system connector to plug-in a Ei208(D)W, 3 – terminals, 4 – DIP switches for setting outputs options (on the bottom of the module), 5 – GS-208-CO interface

Installation procedure:



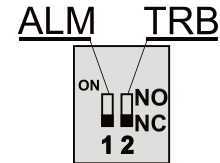
When connecting the module to the system, always switch the power off.

1. Open the detector by turning anti-clockwise against the mounting base
2. Use the supplied silicone pad for installation. The pad eliminates unwanted airflow through the detector installation holes. Airflow could have a negative influence on carbon monoxide detection
3. Put the cable through the silicone pad and mounting base (punch a hole through the prepared places)
4. Attach the mounting base to the wall, make sure the detector clings to the silicone pad reliably (possible leakage could have a negative influence on detector measurement)
5. Read the installation manual of the control panel / device to which you want to connect the detector before you connect the cable to the terminals

Terminal descriptions:

- +12V, GND** – power supply, the module **is not** powered by the detector's internal battery
- TRB** – output for tamper indication (indication of unwanted manipulation), sensor fault, detector life-time expiration
- COM** – common terminal, TRB and ALM switch to it
- ALM** – output for alarm indication (carbon monoxide concentration reaches a dangerous level)

6. Set up the required type of output contact (NO / NC) by the DIP switches (4)



| DIP | Position 1 (ALM) | Position 2 (TRB) |
|-----|-------------------------------|-------------------------------|
| ON | NO - normally open contact | NO – normally open contact |
| OFF | NC – normally closed contact* | NC – normally closed contact* |

*factory default settings

7. Connect the cables to the module terminals (3),
8. Plug the module into the detector's system connector (2), pay attention to correct cable storage to avoid module extrusion from the detector
9. Assemble the detector onto the mounting base and lock it by turning clockwise
10. Connect the power for the module

To perform testing and normal operation see the Ei208(D)W detector installation manual.

Notes:

- the ALM output is active for the whole time when a dangerous concentration of carbon monoxide is being detected
- when a regular self-test is performed with a positive result (according to the Ei208(D)W detector installation manual) the ALM output is active for a short time

Technical specifications

| | |
|---|--------------------------------|
| Power | 9 – 15 V DC / 5 mA |
| Dimensions | 48 x 19 x 14 mm |
| ALM, TRB output load | 100 mA / 24 V DC |
| Environment class according to EN 50131-1 | II. indoor general |
| Operational temperature range | -10 °C to +40 °C |
| Comply with | EN 50130-4, EN 55022, EN 50581 |



JABLOTRON ALARMS a.s. hereby declares that the GS-208-CO is in a compliance with the relevant Union harmonisation legislation: Directives No: 2014/30/EU, 2011/65/EU. The original of the conformity assessment can be found at www.jablotron.com - Section Downloads.



Note: Although this product does not contain any harmful materials we suggest you return the product to the dealer or directly to the producer after use.