

ACC REL 030 0SE



RELAY INTERFACE FOR SX SERIES GAS TRANSMITTERS

- Separately controls the events of pre-alarm, alarm and fault through three different output relays.
- Visual LED indicators

Via Prodocimo, 30
I-36061 BASSANO DEL GRAPPA (VI)
Tel.: +39.0424.567842
Fax.: +39.0424.567849
<http://www.seitron.it>
e-mail: info@seitron.it

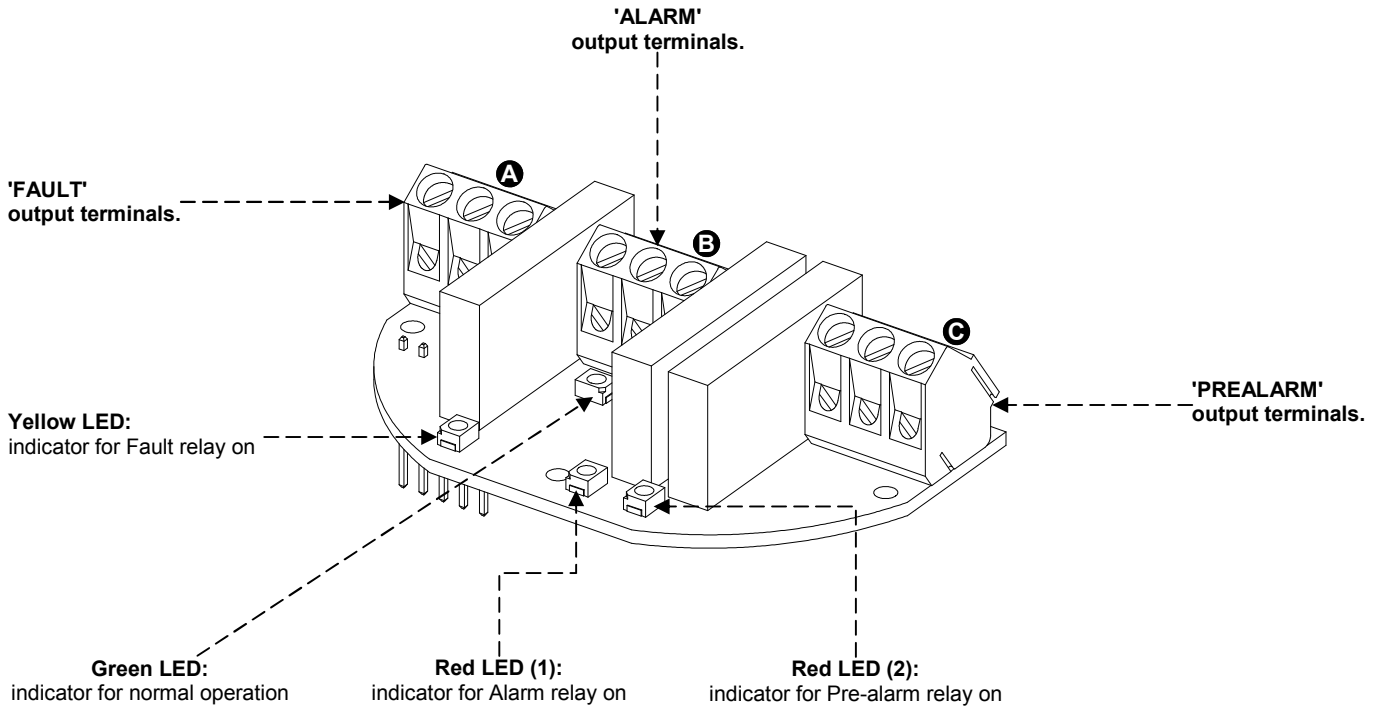


Fig. 1: Internal view of components.

OVERVIEW

This product is an additional relay board with three distinct output relays, specifically designed to be installed on SX series transmitters only, allowing the independent management of the states of Pre-alarm, Alarm and Fault. This relay board, when purchased separately as an accessory, comes with 3 spacers can be installed on the transmitter.

TECNICAL FEATURES

Power supply: 12Vdc
Max current absorption: 80mA @ 12Vdc
Contact rating: 3 x 2A 250V~ (Voltage free)

Transmitter outputs thresholds:
Prealarm: CH4 e G.P.L.: 10% L.I.E.
CO: 45 ppm
Alarm: CH4 e G.P.L.: 20% L.I.E.
CO: 95 ppm

Protection level: IP 00
Operating temperature range: 0°C .. +40°C
Storage temperature range: -10°C .. +50°C
Humidity operating range: 20% .. 80% RH non-condensing

NORMATIVE REFERENCES

The product complies with the following standards (EMC 2004/108/CE and LVD 2006/95/CE):
EMC reference standards:
EN 50270-1 (2000)

LED INDICATORS

The relay interface is equipped with 4 LEDs shown in Fig. 1:

- Green LED on:**
Indicates that the relay board is powered.
- Yellow LED on:**
Indicates that the output 'FAULT' has been activated.
- Red LED (1) on:**
Indicates that the output 'ALARM' has been activated.
- Red LED (2) on:**
Indicates that the output 'PREALARM' has been activated.

RELAY LATCHING

The relay board, when jumpers from P1 to P4 located on the board itself are properly set, is capable of storing anomalous events (pre-alarm, alarm, fault and over range), which will remain stored until the transmitter power will be not removed.

WARRANTY

With a view to constantly develop products, the manufacturer reserves the right to make changes to technical data and performances without prior notice. The consumer is protected against conformity defects of the product in compliance with the European Directive 1999/44/CE and the document relating to the manufacturer's warranty policy. The full text of the warranty is available from the seller upon request.

INSTALLATION

To install the relay interface on the transmitter, proceed as follows:

1. Ensure that the transmitter is not powered.
2. Loosen the four screws on the transmitter cover and remove it.
3. Insert the three turrets provided into the transmitter, as shown in Fig. 2).

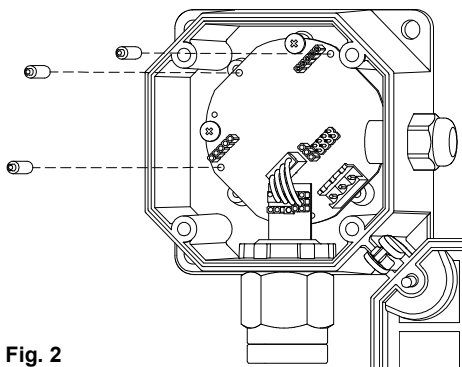


Fig. 2

4. Insert the relay interface in the transmitter as shown in Fig. 3, taking care that the three turrets, previously inserted in the transmitter, correspond to the holes on the interface board and that the interface pin strip corresponds to the connector on the basic transmitter board, as shown in Fig. 4.

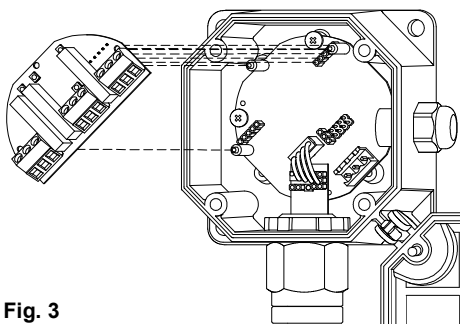


Fig. 3

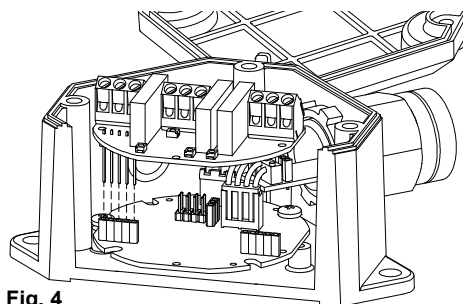


Fig. 4

5. Make all the electrical connections as indicated in paragraph 'Electrical connections'.
6. Place the cover back on and screw it in, verifying the tightness of the closure.

ELECTRICAL WIRINGS

The PREALARM (C), ALARM (B) and FAULT (A) outputs are voltage free contacts which can be used to drive generic external loads like a siren or a flash light as well as, according to the specific installation, a gas cutoff electrovalve

See the wiring diagram in Fig. 5.

For more information please read the instruction manual of the gas transmitter.

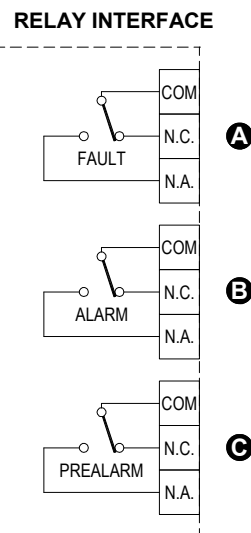


Fig. 5: Electrical wirings for the Prealarm, Alarm and Fault outputs.

⚠ WARNING

- The installation and electrical connection of the device must be carried out by qualified personnel and in compliance with current regulations.
- The device has a cable input to ensure the installation is resistant to condensation, water and gas and can therefore reach the declared IP protection degree.
- Make sure you disconnect the power before connecting the appliance.