

SPARK ALARM PANEL PAN-701

for spark detector RIV-601P/S

It carries on the front panel a 24Vdc power indicator green LED, a reverse polarity indicator red LED, an overload/short circuit indicator yellow LED, 2 indicator red LEDs for the alarm of the Spark Detectors, 2 TEST buttons and 2 RESET buttons.

It must be powered by a 24Vdc power supply and it is protected against overload and short circuit by an internal fast press-to-reset thermal circuit breaker (1.5A – 36W).

The alarm panel PAN-701 allows to monitor two independent detection points (ALARM 1 and ALARM 2).

The alarm of the spark detector activates the STOP circuit (it turns on the alarm, stops the fan and closes the duct valve) which is held active until manual reset through the RESET button.

The TEST button is used to check the system. A short pulse causes a spark to be simulated inside the detectors that will go in alarm state, will light the ALARM LEDs and will activate alarm sounder and STOP circuit. Press the RESET button to return the system to normal operating conditions. The alarm panel PAN-701 is also suitable for our silo temperature alarm systems.

Specifications

Wall mounting using mounting holes provided.

An external 24Vdc power supply is needed.

Output 24Vdc 36W for two RIV-601P/S spark detectors, two sound and light alarms, two STOP circuits.

Two TEST outputs 24Vdc pulse.

Internal power consumption 0,3W normal, 2W in alarm.

Max power consumption 36W – 1.5A

Operating temperature -20 +50°C.

Electrical wiring on 22 way terminal block, plug-in type, 5 pitch, wire size 2.5 mm² max.

Cable entries by 2 M25 cable fittings, internal diameter 13-18mm.

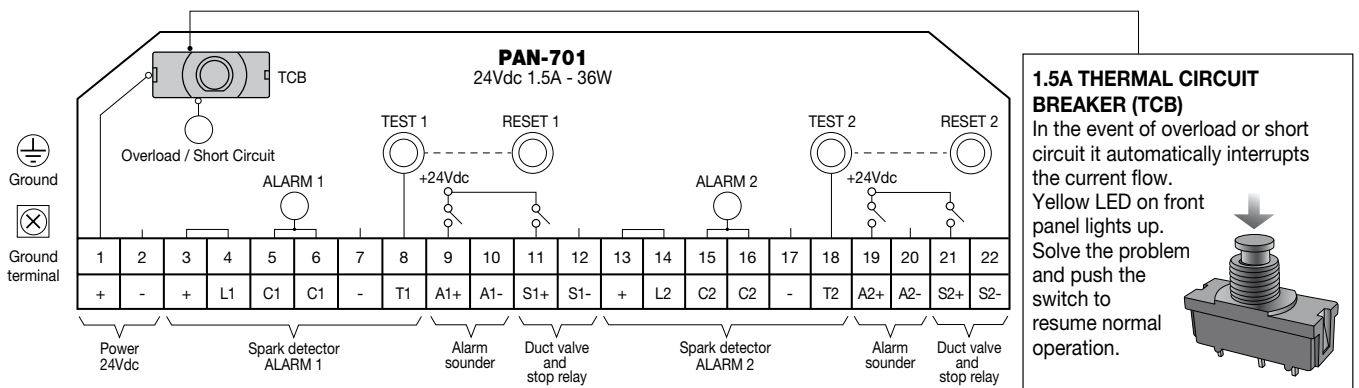
Cast aluminium case IP66 protection (watertight NEMA 4).

Dimensions 180x140xH65 mm.

Packaging 240x180xH130 mm.

Weight 1 kg.

Electrical diagram



For each line (ALARM 1 and ALARM 2) an additional "C" terminal is available to add another spark detector.

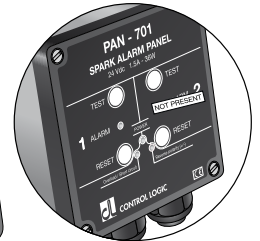
Input and output voltage 24Vdc.

All wiring and grounding must be done in accordance with local and national rules and regulations.

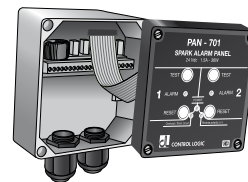
Notes:

- It is highly recommended to connect the enclosure base to a good ground line using the ground terminal provided inside lower on the right. Then, connect base and cover using the ground terminal provided inside the base lower on the left and the ground terminal provided inside the cover lower on the right.
 All the ground terminals are signalled by ground label.
 The ground connection must be done using a yellow-green conductor and a M4 double crimp eyelet.
 The yellow-green conductor must be longer than the other conductors.

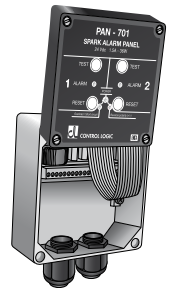
- In order to ensure an **IP66 protection grade** the cover must be tightly closed turning the four screws provided. The suggested closing torque value is 1 ÷ 1.5 Nm.



In the packaging are included no. 8 "not present" labels to put on the front panel to advise that one spark detector is missing.



The front panel should not be hung by the internal electrical connections. When you open the control panel it is suggested to place the front panel as represented by the pictures on the sides.



4 mounting through holes (which don't have any contact with the inside space) for M4x25 (minimum length) screws

