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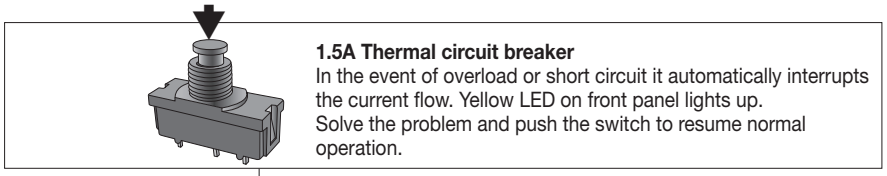
ISO 9001
CONTROL LOGIC S.r.l.

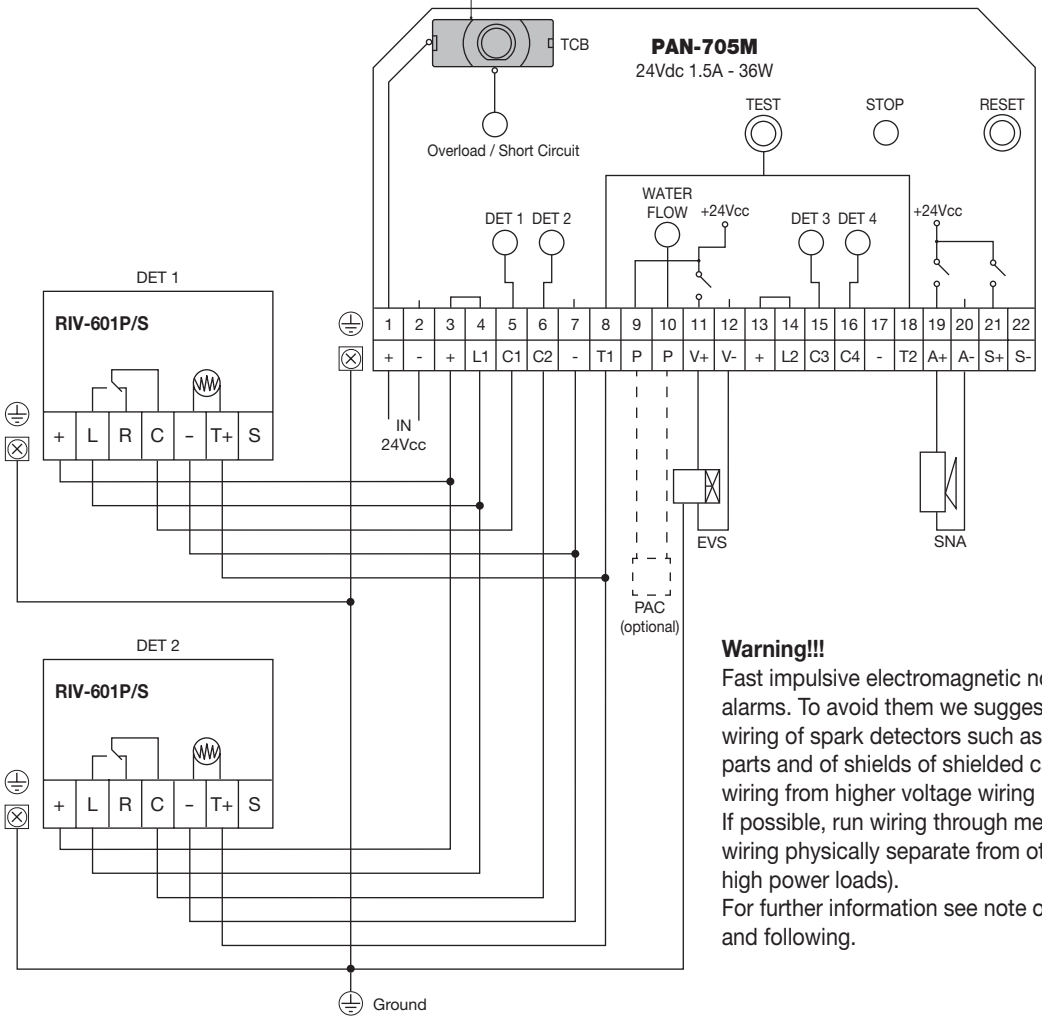
SYSTEMS TYPE “A” AND “B”
electrical wiring

System type “A” comprises only one detector and one nozzle and it is used for “small” ducts up to 500mm diameter.
System type “B” comprises 2 spark detectors and two nozzles and it is used for “large” ducts over 500mm diameter.

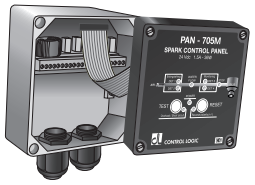
The PAN-705M control panel allows the simple systems type “A” and “B” expanding, transforming them into complete systems type “E1” and “E”.

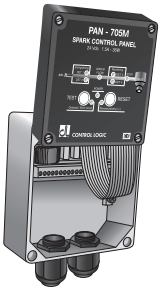


1.5A Thermal circuit breaker
In the event of overload or short circuit it automatically interrupts the current flow. Yellow LED on front panel lights up.
Solve the problem and push the switch to resume normal operation.



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 below.

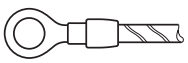




Warning!!!
Fast impulsive electromagnetic noise in the factory can cause false alarms. To avoid them we suggest to take a few measures during wiring of spark detectors such as good ground connection of metallic parts and of shields of shielded cables and to keep separate 24Vdc wiring from higher voltage wiring (A. C. power line).
If possible, run wiring through metallic tubing. Keep spark detectors wiring physically separate from other wiring (motor controls and other high power loads).
For further information see note on false alarms on pages MASP26 and following.

No connection on spark detectors terminal “S”.
Voltage 24Vdc – max 1,5A output current.
All wiring and grounding must be done in accordance with local and national rules and regulations.

Notes:
1) 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.



2) 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 ÷ 1.5Nm.