

# SPARK DETECTOR RIV-601P/S

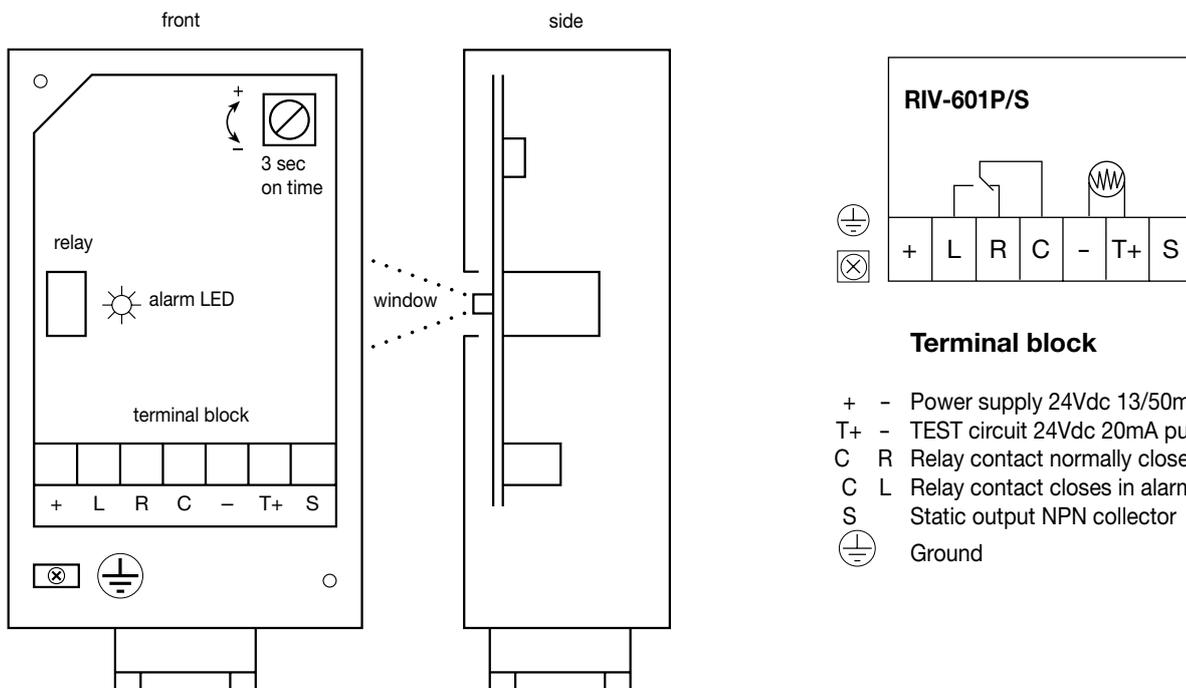
## Electrical connections

The detector case lid is closed by four screws.  
 The electrical wiring on the terminal block is to be made following the terminals marking and the system diagram.  
 See page MASP 18 and MASP 21.

The alarm duration time setting should not be altered. The standard time is 3 sec. A different setting in the 1 to 10 sec range, if required, should be requested when ordering.

At each spark detected, the detector is held in alarm for 3 sec. The internal LED lamp lights up, indicating the relay is energized. A power-on delay is provided, which holds the detector inactive for about 3 sec when power voltage is applied. The detector functioning could be checked by the TEST button on the control panel, or by a cigarette lighter in front of the detector window, or else by directing the detector towards the sun or incandescent lamp. A flash lamp could also be used.

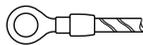
### internal view



- + - Power supply 24Vdc 13/50mA
- T+ - TEST circuit 24Vdc 20mA pulse
- C R Relay contact normally closed (N.C.)
- C L Relay contact closes in alarm (N.O.)
- S Static output NPN collector
- ⊕ Ground

- Terminal block**
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### Notes:

1. It is highly recommended to connect the enclosure base to a good ground line using the **ground** terminal provided inside up on the left. Then, connect base and cover using the ground terminal provided inside the base lower on the right and the ground terminal provided inside the cover lower on the left. 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 ground 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 ÷ 1.5 Nm.