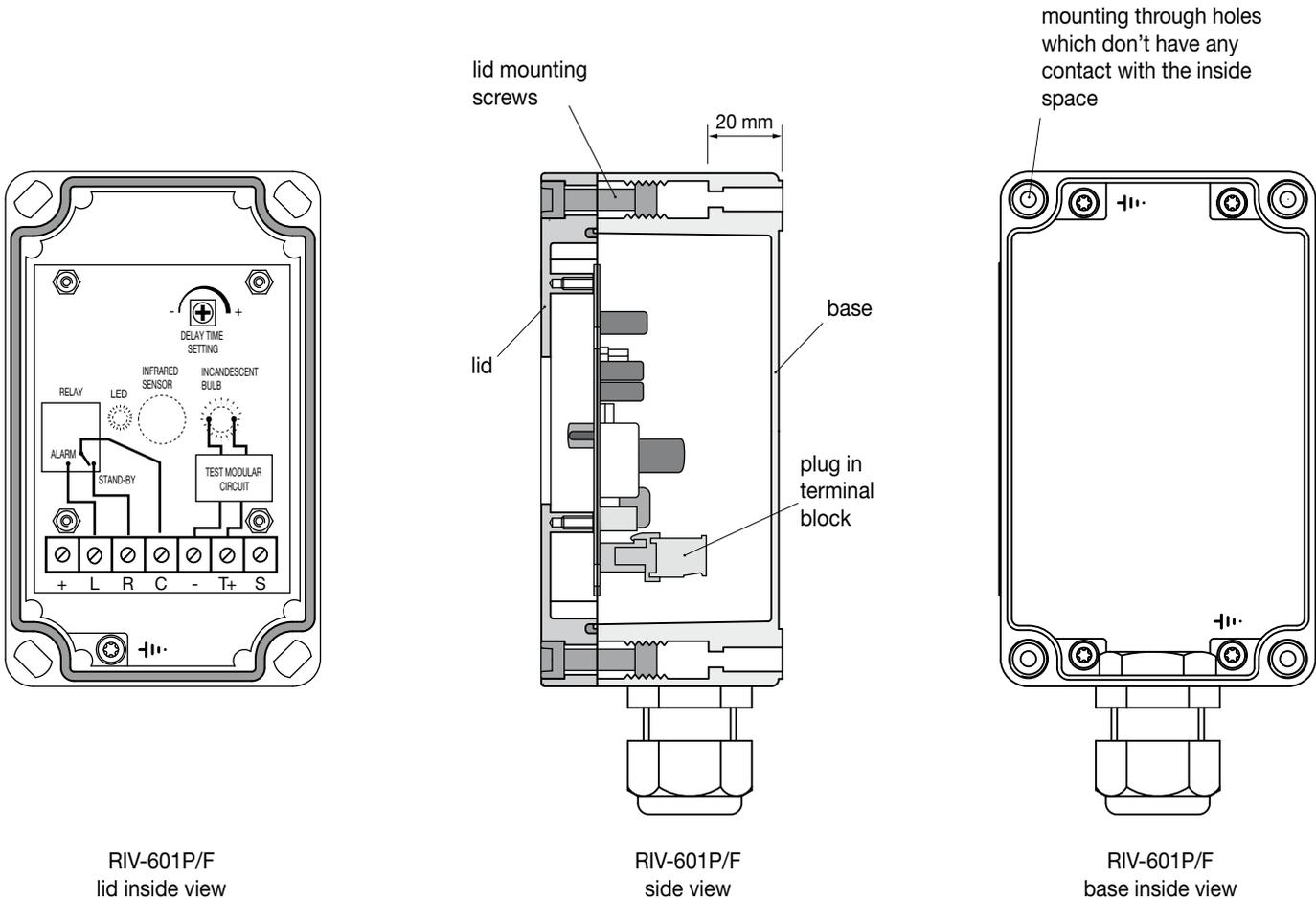


## RIV-601P/F IR FLAME DETECTOR

### Inside view

After the enclosure is opened, the inside view looks as follows:



RIV-601P/F  
lid inside view

RIV-601P/F  
side view

RIV-601P/F  
base inside view

The enclosure base part has four mounting holes.

On the enclosure base you can find both two ground screws and the cable entry fitting M25.

On the circuit board, which is placed inside the enclosure lid, the following parts are present: the alarm delay time setting potentiometer, which can be set by turning the centre screw, and the alarm relay.

The delay time setting increases by turning clockwise, and decreases anticlockwise. The standard value is 5 sec. The full range is from 1 to 10 sec.

Under the circuit board you find the infrared sensor, the red LED alarm lamp and a small incandescent bulb which simulates a flame when the test circuit is powered, all placed just behind the optical window.

The 7 way terminal block, plug-in type, has each function printed on the top of every terminal and on the circuit board just before the connector.

#### Note:

- 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 signaled 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.

- 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  $1 \div 1,5$  Nm.