

RIV-601P/F

IR flame detector automatic remote fault warning

Electrical connections to a standard fire alarm panel

Both the normally open (**C-L**) and the normally closed (**C-R**) relay contacts are used.

The normally open contact (**C-L**) is used for the fire alarm and provides the line current determined from the R1 and R2 resistors parallel.

The normally closed contact (**C-R**) is used for the fault warning signal (detector always OFF or 24Vdc power voltage OFF).

Since during the automatic test the detector generates a short 0.5 seconds pulse every 5 seconds (**C-L** closes for 0.5 seconds and **C-R** opens for 0.5 seconds) the L1 line must be delayed for at least 5-10 seconds before giving a fire alarm signal when **C-L** closes.

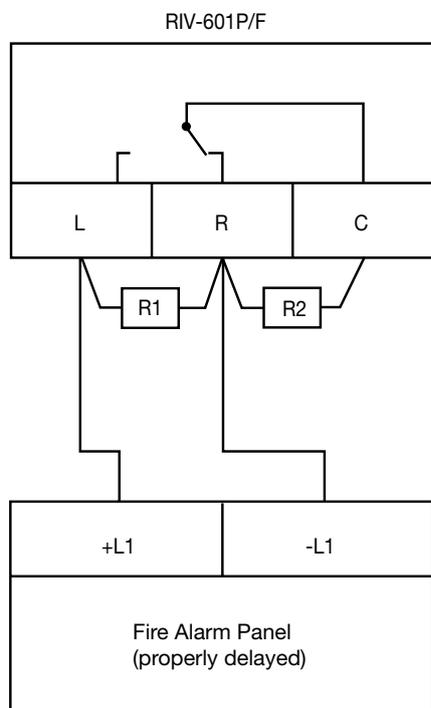
The fault warning signal must be delayed for at least 10-20 seconds before the **C-R** closure can be considered a fault.

Every 5 seconds the **C-R** contact opens for 0.5 seconds, and the delay time is reset.

Note:

The two standard fault warning signals are still available:

- open line fault
- short circuit line fault



R1 = End of line resistor, which creates the stand by line current.
Typical value 3k3 0.5W (see your fire alarm panel instructions)

R2 = Alarm current limiting resistor.
Typical value 3k3 0.5W (see your fire alarm panel instructions)

L1 = Alarm line.