

T e l e T e k L t d .

**RELAY MODULE
MR8**

Compatibility
MAG8 & MAG16 FIRE CONTROL PANELS

USER MANUAL
Ver. 2.0

READ THIS MANUAL BEFORE CONNECTING THE EQUIPMENT AND KEEP IT FOR
FUTURE REFERENCES

The **MAG8** & **MAG16** family are microprocessor-based conventional fire detection and indication panels designed to meet all the requirements of EN54 and thus they have possibilities to maintain RELAY MODULE **MR8** described in this manual.

FUNCTIONAL DESCRIPTION

MR8 contains eight (8) free changeover contacts relays.

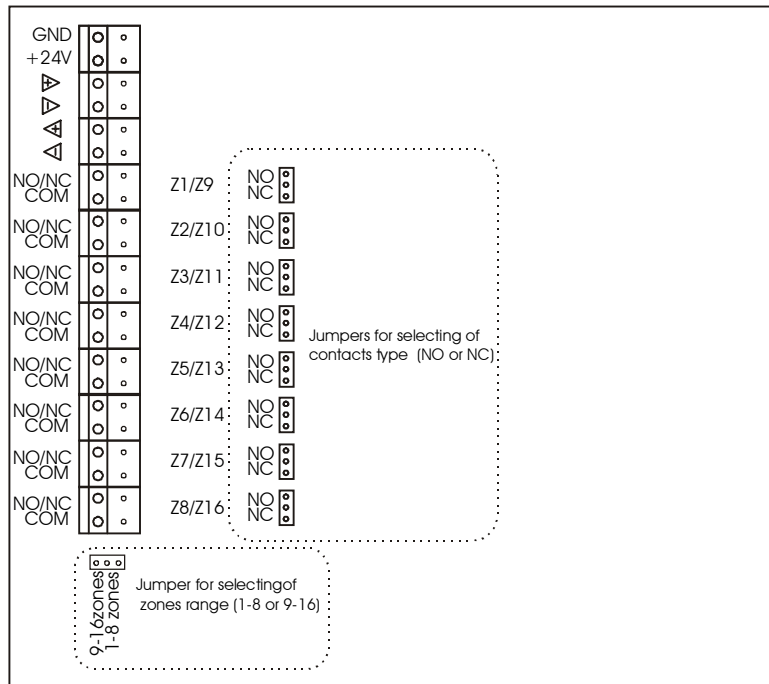
MR8 is to be connected on the same wires as the Repeater module (see MAG8/16 User manual). If **MAG16** is used then at least two **MR8** need to be used to cover all sixteen zones.

In case of Fire Alarm detected on some zone in the host panel (**MAG8** or **MAG16**) the **MR8** responds by switching ON the corresponding relay.

The **MR8** has to be configuring by internal jumpers as follows:

- the range of zones (from 1 to 8 or from 9 to 16) that corresponds to the 8 relays on **MR8** by mean of one jumper on the PCB.
- the type of the free changeover contacts for each zone individually by mean of eight jumpers on the PCB.

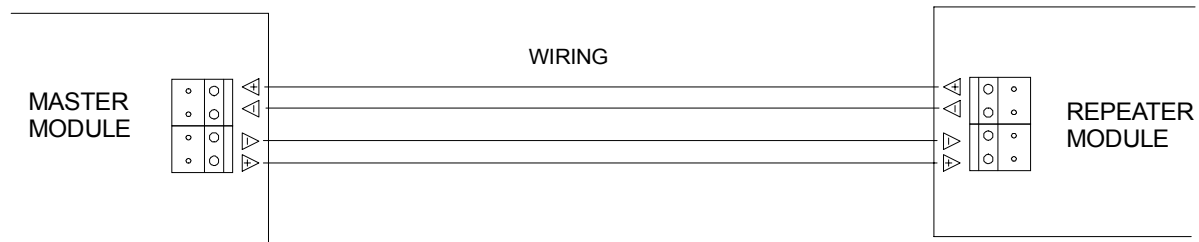
Relay module terminals



1 Connecting diagrams

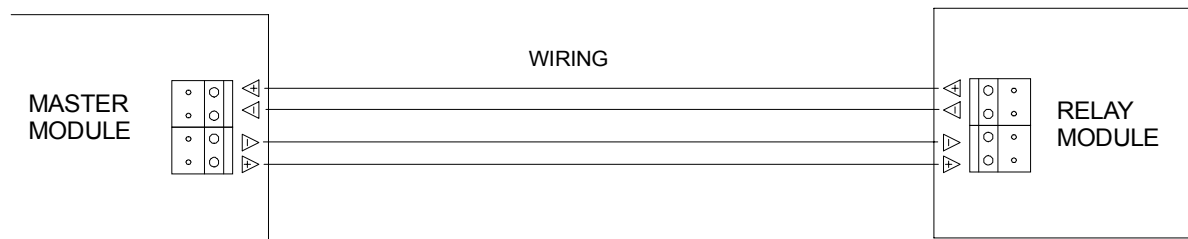
1.1 Connecting the Repeater module

Optionally it is possible to connect to any Control Panel of the family other Control Panel as a Repeater Module. For this purpose may be used any of the MAG8/16 Panels without any expander connected and configured as a SLAVE. The main Panel in this case must be configured as a MASTER (see 5. Configuration).



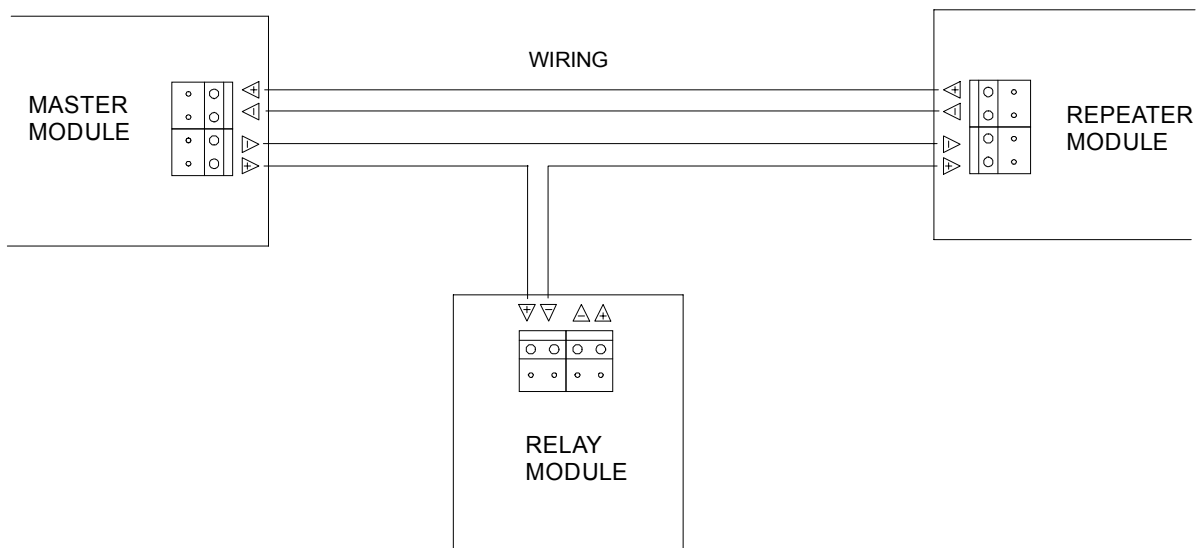
1.2 Connecting the Relay module

Optionally it is possible to connect to any Control Panel of the family an extra clear-changeover contacts relay for each zone integrated in a Relay Module.



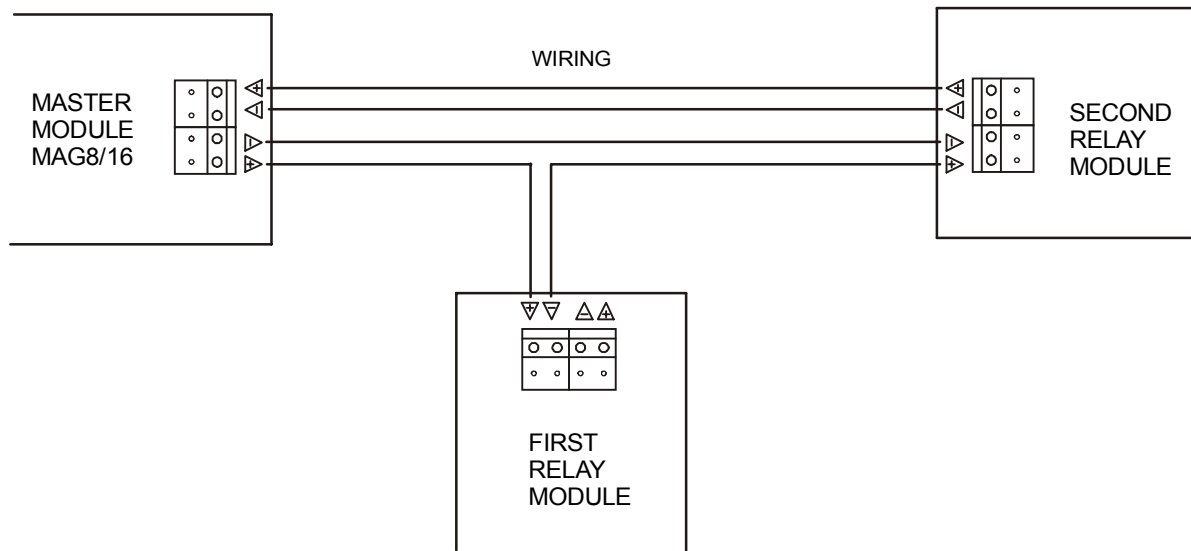
1.3 Connecting the Repeater module and Relay module simultaneously

It is possible to connect the Repeater module and Relay module simultaneously if necessary as shown bellow.



1.4 Connecting the two Relay modules simultaneously without repeater

It is possible to connect two Relay modules simultaneously if necessary as shown below.



TECHNICAL SPECIFICATIONS

Number of relays	- 8
Power supply	- 24V
Current consumption in quiescent condition	- 8 mA
Additional current consumption for every relay switched ON	- 10 mA
Max. ratings of volt-free changeover contacts:	-12V / 1A or 24V / 0,5A
Max voltage 125V	
Max current 2A	
Cabling	- Recommended wires section 1,5 mm ² - Terminal maximum wire diameter 2,5 mm
Environment	-Working temperature: 0 °C to 40 °C -Storage temperature: -20 °C to +60 °C -Humidity 0 to 95% (non condensing)