Using Galvanic Isolators with CHQ-DZM(SCI)-IS Modules

On some CHQ-DZM(SCI)-IS units where zones have Galvanic Isolators and only a few detectors fitted, constituting a light load, there is a slight chance of generating an open circuit fault signal. This signal is intermittent and will disappear almost as soon as it is detected.

On many installations this will not be noticed unless the log file is examined.

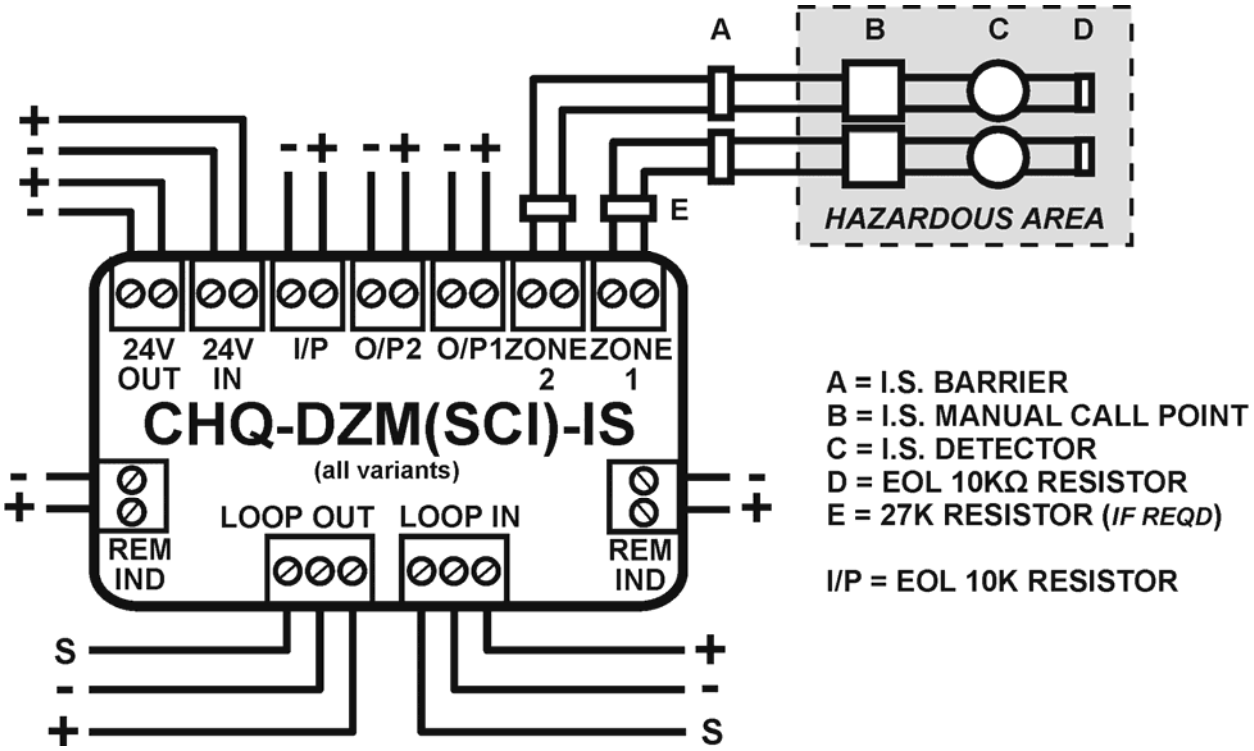
This does not affect the ability of the system to detect a fire condition.

The addition of a 27K resistor across the zone terminals of the CHQ-DZM(SCI)-IS will stop the generation of this spurious fault signal.

Zones with 10 or less heat or smoke detectors fitted (call points do not count) – fit additional 27K resistor (E on diagram below).

Zones with 11 or more heat or smoke detectors fitted (call points do not count) – no additional resistor is required.

PLEASE NOTE THAT THE ADDITIONAL RESISTOR IS CONNECTED ON THE CHQ-DZM(SCI)-IS TERMINALS, NOT AT THE END OF LINE RESISTOR.



The part number for the recommended resistor is Farnell Order Code: 9466517

RESISTOR, MRS25 1% 27K	
Resistance	27kohm
Power Rating:	600mW
Resistance Tolerance	: ± 1%
Resistor Element Material	: Metal Film
Temperature Coefficient	: ± 50ppm/°C
Voltage Rating	350V

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