

6.10

System 800 Addressable Fire Detection

EXI800 Interface Module & Galvanic Isolators



The EXI800 Interface Module when used with a galvanic isolator, provides a path for an MZX panel to transparently communicate to slave devices (800Ex Detectors, IF800Ex Interface Module or CP840Ex Addressable Break Glass Call Point) connected to the Intrinsically Safe Loop. The EXI800 interface reduces the standard MZX loop supply voltage and signalling currents to levels that are acceptable for hazardous areas. The EXI800 can detect a short circuit on the left-loop, the right-loop, or the IS spur and will isolate the offending circuit from the other loop connections.

The IS loop output of the EXI800 interfaces with the Pepperl & Fuchs KFDO-CS-Ex1.54 Galvanic Isolator supplying loop voltage and signalling currents to the Intrinsically Safe Loop. Both single channel and dual channel Galvanic Isolators are available.

The EXI800 is supplied complete with a service tool EX dongle that is required to activate the address programming when using the standard MZX service tool. The MTL5525 Isolating Sounder Driver enables an intrinsically safe sounder located in the hazardous area, to be controlled from the safe area. The MTL5525 has one channel and is suitable for connecting certified loads in Zone 0, IIC, T4-T6 hazardous areas.

Order Codes

514.001.063	EXI800 Interface Module
517.001.306	Single channel KFDO-CS-EX1.54 Galvanic Isolator
517.001.305	Two channel KFDO-CS-EX2.54 Galvanic Isolator
517.001.304	MTL5525 I.S. Sounder Driver

IS Barrier Enclosure



The MTL 'DX' Series enclosures will house the EXI800 (20 mm pitch), Pepperl & Fuchs KFDO-CS-Ex1.54 Galvanic Isolator (20 mm pitch) and the MTL5525 I.S. Sounder Driver (16.2 mm pitch). The units are DIN rail mounted with 70 mm of rail supplied with the DX070 and 170 mm of rail with the DX170. The enclosures are usually selected on the number of units they will accommodate. The following table shows the capacity of each of the enclosure types.

Order Codes

517.001.248	DX070 Enclosure
517.001.247	DX170 Enclosure