

CONVENTIONAL ZONE MODULE

Intellia Conventional Zone-Module EMI-310/CZ for FX fire detection system

Fire protection systems can be engineered simply and effectively without the need for custom-designed equipment.

The loop powered EMI-310/CZ Conventional Zone-Module with Isolator powers and controls the operation of a zone of conventional detectors.

The Intellia series of products are all compatible with the ALC-board of an FX-panel.

The maximum number of conventional detectors in the zone is 20.

A 5,1 kΩ end-of-line resistor is fitted to the last detector on a conventional line for open- and short-circuit faults.

The EMI-310/CZ module is fitted with a bi-directional short circuit isolator and will be unaffected by loop short circuits on either the loop input or loop output.

Two LEDs, one red and one yellow, are visible through the front cover of the enclosure. The red LED is illuminated to indicate that a fire alarm condition has been detected on the zone wiring. The yellow LED is illuminated whenever the built-in isolator has sensed a short circuit loop fault.



EMI-310/CZ

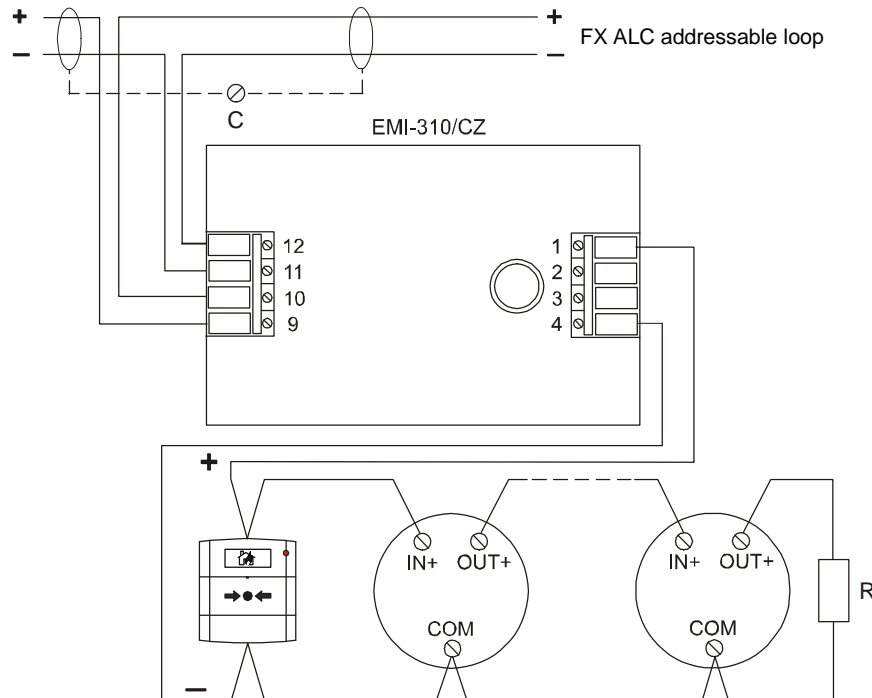
Technical data

Note! All Intellia series I/O modules take 1 address from the loop, regardless how many inputs/outputs they have.

Operating voltage (Loop voltage)	17–28 VDC
Zone voltage (Loop voltage \geq 22 V) (Loop voltage $<$ 22 V)	19 V \pm 1 V Loop voltage –1,5 V
Current consumption at 28 VDC quiescent alarm short-circuit	4,5 mA + detector load 11 mA (19 mA when increased current enabled) 11 mA
Stabilisation time on power-up	4 seconds
IP Rating	IP54
Operating temperature	–20 °C to +70 °C
Humidity (no condensation)	0 % – 95 %
Dimensions	150 x 90 x 48 mm
Weight	230 g
Complies with EMC Directive 2004/108/EC	
Complies with EN54-17:2005 and EN54-18:2005	
Product code	0672 7341
Conventional line end of the line resistor	5,1 kΩ

Pelco reserves the right to modifications.

Schematic Diagram & Wiring Connections



- 1 = Zone output +
- 2 = Zone output +
- 3 = Zone output -
- 4 = Zone output -
- 9 = L2 (+ve)
- 10 = L2 (+ve)
- 11 = L1 (-ve)
- 12 = L1 (-ve)

C = Additional connector for shield

R = End-of-line resistor
5,1 kΩ ± 5 % 1/3 W

Note!
Alarm conditions are latched internally by the EMI-310/CZ. It is therefore necessary to reset the alarm even if non-latching conventional detectors are used.