



Agni

Veiga Series

Intelligent Addressable

Agni Instruments Engineers India Private Limited

V-1

TECHNICAL DATA SHEET

INTELLIGENT ISOLATOR MODULE



AGNI VEIGA -IND-LVMX-100

The AGNI VEIGA Isolator Module Is A Device Designed To Provide Short Circuit Isolation Features For Analogue Intelligent Loops Carrying Veiga Series Type Detector. As Any Other Veiga Device, It Operates With Control Panels Using The Veiga Digital Communication Protocol Which Provides For High Rates Of Information Exchange In Combination With Particular Features That Ensure Fast And Secure Responses.

Product Overview & Function

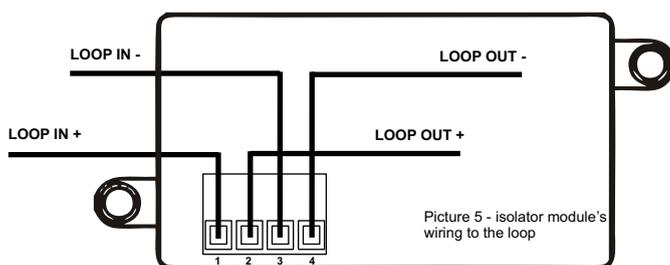
An isolator module in a fire alarm system is a crucial device that protects addressable loops from short circuits, automatically isolating a faulty section so the rest of the system (devices, alarms) stays operational, ensuring system reliability and continuous monitoring, often by detecting low voltage or a short, and blinking LEDs for status indication. These modules are strategically placed on the loop (e.g., every 20-25 devices) and report the fault to the panel, allowing for quick identification and repair while maintaining overall system integrity.

Key Features & Functions:

- **Short Circuit Protection:** Detects wire-to-wire shorts or ground faults on the loop and isolates that segment.
- **System Continuity:** Prevents a fault in one area from taking down the entire loop or system.
- **Fault Reporting:** Communicates the fault status (trouble condition) to the fire alarm control panel.
- **Automatic Reset:** Can automatically restore the isolated section once the fault is cleared.
- **Status Indicators:** LEDs (often green/yellow for normal, red for fault) provide visual feedback.
- **Placement:** Placed at intervals (e.g., every 20-25 devices) between sensors/modules.

Intelligent Isolator Module

TECHNICAL SPECIFICATIONS



Loops voltage range	from 15 V to 40 V
Average standby current	90 μ A at 24 V
Dimensions	75 x 52 x 28 mm
Weight	40 g
Temperature Range (design range)	-10°C to 70°C

Maximum number of Veiga devices that can be "cut off" by the isolator module

32 units



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EN 54-5-7
IS 2189
ERTL / NABL