



Agni Instruments Engineers India Private Limited

Agni

Veiga Series

Intelligent Addressable

V-1

TECHNICAL DATA SHEET

MONITOR MODULE

VEIGA -IND-VMI-100



The AGNI VEIGA module range provides an ideal solution the monitoring and control requirements of most fire detection and alarm systems, ranging from small and simple, to large and complex. By utilising the Agni fully digital communication protocol, reliable and fast operation is achieved even when employing the impressive 240 device loop capacity. A choice of mechanical configurations provides easy integration of the units into a variety of field locations. The VMIC120 is mounted on a standard faceplate and can be used with a surface back box or flush mounted and provides the capability to both remotely monitor a single circuit and control a single ancillary circuit using a set of volt-free changeover relay contacts. The input circuit is monitored for fault and an alarm condition. Bi-colour LEDs provide local indication of device status.

Product Overview & Function

- **Purpose:** Integrates conventional (non-intelligent) devices into an addressable system, providing detailed location and status (normal, alarm, trouble).
- **How it Works:** Connects via dry contacts (NO/NC) to devices, constantly polls the circuit, and sends status changes (e.g., Water Flow Switch, Damper) access control & many other requirements to the panel using its unique address.
- **Key Function:** Supervises the connected circuit's wiring for faults (opens/shorts) and device status, reporting to panel
- **Addressable:** Each module gets a unique address for precise identification.
- **Dry Contact Input:** Works with devices that just open or close a circuit (e.g., pull stations, flow switches).
- **LED Indicator:** Flashes during normal communication, latches steady on alarm/trouble.
- **No External Power:** Draws power from the panel's loop.
- **Application Versatility:** Monitors sprinkler systems, fire pumps, kitchen hoods, gas detectors, etc..

Intelligent Monitor Module

TECHNICAL SPECIFICATIONS

- Integrated short circuit isolators to protect and maintain operation
- Loop powered with very low current consumption
- Robust proven design offering operation over a wide temp. range
- Monitored input and volt-free output providing changeover relay contacts
- Fast fit plug-in cable connections
- Alternate mechanical variants available to satisfy different applications
- LED status indicators for both input and output circuits
- Fits to single gang Extra back box

Loop Voltage range	15 – 40Vdc
Normal Standby Current	120µA @ 24Vdc
Alarm Current (1-2 red LED)	6mA @ 24Vdc
Physical dimensions	86.5 x 86.5 x 24mm
Weight	200g
Temperature Range	-10°C to +70°C
Max. humidity (non condensing)	95% RH

