



Agni Instruments Engineers India Private Limited

# Agni Veiga Series Intelligent Addressable

V-1

## TECHNICAL DATA SHEET



## Conventional Devices Zone Monitor Module

### AGNI-VEIGA -IND-VMCZ100 ZONE MONITOR MODULE

The VMCZ100 conventional zone module is a device permitting to interface an analogue-intelligent addressable loop to a conventional detection zone. The analogue panel sees this device (and all the conventional sub-system) as a single addressed device on the loop. Conventional zone conditions as normal, open and short circuit and alarm are detected by this module and notified to the analogue control panel by the module itself; nevertheless this device is not capable of detecting the removal of a sensor from the conventional line. The conventional zone module can be powered in different ways: either directly by the analogue detection loop or by an external power supply source. The conventional zone module is capable of monitoring its power supply (whether from the analogue loop or external) and measure the actual current that is flowing to the conventional zone line, giving the analogue control panel full control over the conventional sub-system and its status.

### Product Overview & Function

A hybrid fire alarm system that enables seamless integration between traditional wired (conventional) devices and addressable technology. Conventional detectors are connected through a Zone Monitor Module, which provides digital address ability, supervision, and compatibility without requiring major rewiring. This interface approach reduces installation costs, simplifies upgrades, and maintains full safety compliance.

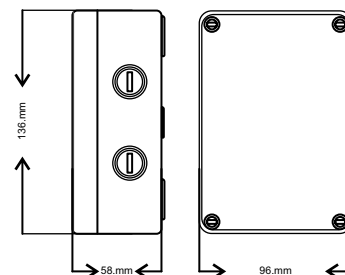
### TECHNICAL SPECIFICATIONS

SUPPLY VOLTAGE	20 V to 30 V DC
Standby current	500uA
Normal relay switching current	2A@30VDC
CABLE SIZE	1.5 sq mm <sup>2</sup>
RESET/START-UP TIMES	25 to 30 seconds max.
PROTECTION CATEGORY	Type A - Indoor Use / Rating IP21C
COLOUR	White
CASE MATERIAL	ABS and PC - Flame Retardant rating UL 94 V2
OPERTING. TEMPERATURE	-10°C to 55°C
MAX. HUMIDITY	95% RH Non-Condensing
DIMENSIONS	130mm x 93mm x 58mm
WEIGHT	190g
End of line capacitor	4.7 $\mu$ F - 50 V

For EN54-13 compliance, please check the control panel manual specifications.

### KEY FEATURES

- incorporates bi-directional short circuit isolator.
- Can Be Powered Either Externally Or From The Loop
- Short Circuit Isolator Built In
- Auto Addressing Capability
- Addressable Via Alpu1000/vpu1000 Programmer
- Adjustable Reset Time - Allowing For Greater Loop
- End Of Line Options To Allow For Multiple Application



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