TECHNICAL DATA SHEET

Micro Processor Based Intelligent Addressable Control Panel

Product Overview

- The Agni Veiga 1-2-4 Loop Intelligent Addressable Control Panels Have Been Developed To Provide A Simple To Use And Cost Efective Robust Solution For The Industrial & commercial , Institution or Govt Project .

- Extendable up to two loop circuits, and with up to 240 devices per loop, the control panels' compact styling and programming power makes it ideal for all small and medium site requirements.

- The large graphical display with easy to navigate menus provide fast and simple setup and maintenance. Agni veiga panels support the full range of Agni protocol devices

- Standards Compliance: Conforms to EN54-2 & EN54-4 fire alarm Control Panels code of practice in IS 2189.-2175:1988

Features

- One to four loops
- 2 programmable sounder circuits
- Large graphical display
- 4000 date and time stamped event logs
- Auto learn function
- 240 devices per loop
- False alarm management
- Programmable company logo
- Loop fault diagnostics
- Delays to outputs
- 64 programmable groups
- 18 zonal LEDs
- Intelligent integral PSU
- Approved to EN54-2 & EN54-4
- Robust metal enclosure

TECHNICAL SPECIFICATIONS

Enclosure	1.2mm Mild Steel IP30. Colour ref MW334E Interpon Powder coat
Cable entry	Via 20mm knockouts located in the top and rear of the cabinet
Dimensions	Back box: 350 W x 300 H x 80 D (mm), Lid: 357 W x 310 H x 25 D (mm)
Mains supply	Universal switch mode PSU
Battery capacity	Up to 7 Ah 24V
Charger current	700mA
Auxiliary supply	400mA aux supply output (21-28vdc)
Loop	Agni Protocol. Up to 2km . Each loop - 500mA maximum current
Sounder circuits	2 x 400mA 21-28vdc
Switch inputs	CC, PULS
Event log	4000 events, time & date stamped
Earth fault monitoring	Yes
Display 320*cs	Adjustable Font size 11.000 Dot Create Character Graphical LCD backlit
Front Fascia	Soft Touch Key Pad / Standard Sticker Label Blue / Red Colour

Micro Processor Based maser/ salve through the programing

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Electrical Specification Inputs & Outputs

Common fire relay	Fire relay contact. Clean C/O. Max 3A at 30VDC.	Unfused
Common fault relay	Maintained fault relay contact. Clean C/O Max 3A at 30VDC.	Unfused
Inputs: CC, PULSE	Switched -ve inputs, connect to 0v to trigger. Max input voltage = 30VDC. Non-latching, max resistance = 100R.	Protected via 10K Ohm impedance, 3v6 Zener diode.
SOUNDERS 1 and 2	28VDC polarity reversal monitored sounder outputs to fire alarm devices. End of line resistor: 6K8 Ohm 5% 0.25W EOL resistor.	Monitoring current limit 28mA, fused at 500mA. Typical max load 22 devices at 18mA each per circuit.
PBUS Output + / -	RS-485 / Optional Port	RSU Comms, fused at 20mA
Zone normal threshold	Minimum 192 analogue value	Analogue value within (0 – 255)
Temp Sense Input	Input for connection of battery temperature sensor. Attach to central point of sealed lead acid battery pair.	Thermistor TTC5103 10,000 Ohms at 25°C.
LOOP	Addressable circuit	Maximum current limit 500mA. Max 240 devices per loop.
Number of detection circuits	1 - 2 -4 loops	1 to 18 Detection Zones
Interface Logic Module Provision	Optional IBMS Module AV-9010 - BACNET / MODBUS - IP	Scada IO Module 70 Address

Power Supply Specification

Mains supply	230vac +10% / -15% 50Hz max current 0.347Amp (35W) 1.08A (100W)	
Internal power supply rating	1.5 Amps total including battery charging	Maximum load shared between outputs = 1A
Power supply output voltage	19.8 - 29.7vdc	Tolerance +/- 0.1%
Battery charging voltage	27.3VDC nominal at 20°C	Temperature compensated
Battery charging output current	700mA current limited	Charging supressed during alarm condition
Min/max battery size and type	2 x 7.0Ah 12v VRLA.	
Battery type /t	1-LP / 2-LP (12v 7.0Ah) 4-LP (12v - 27Ah) Both are 2 nos Battery	Battery type / 48hrs normal stand by current
Maximum quiescent current	Approx. 230mA at 28V	

Quiescent and Alarm Current Details for Standby Battery Calculations

Models	Standby Current	Alarm Current
One to two loop panel	220mA	1000mA

Standby Battery	Normal - Standby	Battery
Panel Standard Loading	Battery type / 48hrs normal stand by current	18Ahx2

Seamless Integration

Public Addressable System Trigger Output Option

Models
AGNI-VEGIA-FAP-1001- 1002-1004
Veiga Series Intelligent -1+2 Loop Ext
One loop analogue addressable control panel (extendable to two loops)
Veiga Series Intelligent -2+4 Loop Ext
Two loop analogue addressable control panel (extendable to Four loops)
Veiga RS 485 - Network Veiga-FAP-3002
Additional Communication card Required

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Agni Instruments Engineers India Private Limited

TECHNICAL DATA SHEET

Intelligent Active Repeater Panel 32 Node

Product Overview

- The Agni Veiga Intelligent Addressable Networked Repeater for use with Master control panel. The repeater's Provide A Simple To Use And Cost Efective Robust Solution For The Industrial & commercial , Institution or Govt Project .

- Compact Styling Makes It Ideal For All Small And Medium Site Requirements. A Large

- Large Graphical Display Accommodates An Easy-to-navigate Menu System.

- Standards Compliance: Conforms to EN54-2 & EN54-4 fire alarm Control Panels code of practice in IS 2189.-2175:1988

Features	TECHNICAL SPECIFICATIONS

INTELLIGENT ADDRESSABLE REPEATER PANEL 32 NODE

Main Features

- Large graphical display
- All events reported for entire network
- Remote control of evacuate, mute buzzer, silence and reset
- Externally powered from main control panel or UPS
- Programmable company logo
- Robust metal enclosure

Enclosure	1.2mm Mild Steel IP30. Colour ref MW334E Interpon Powder coat
Cable entry	Via 20mm knockouts located in the top and rear of the cabinet
Dimensions	Back box: 300 W x 202 H x 56 D (mm); with Lid: 306 W x 206 H x 58 D (mm)
Mains supply	28V externally from main control panel auxiliary supply, 100mA max.
Event log	4000 events, time & date stamped
Nerwork	Agni Protocol. Up to 1.2 km . Each
Event log	4000 events, time & date stamped
Earth fault monitoring	Yes
Display 320*cs	Adjustable Font size 11.000 Dot Create Character Graphical LCD backlit
Front Fascia	Soft Touch Key Pad / Standard Sticker Label Blue / Red Colour

Model

Product Code	FAP-2001
Product Code	Veiga RS 485 - Network card Required Veiga-FAP-3002

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