

MG-400

MAVIGARD GAS ALARM CONTROL PANEL 4 CHANNEL

MaviGard MG-400 is a 4 channel, 24V DC operating voltage gas alarm control panel. Each channel can host 1 gas detector or 20 fire detectors with unlimited number of manual call points. The panel is equipped with 2 units of 24V DC 500 mA sounder outputs and has 4 voltage-free changeover contact relay outputs (Low alarm relay, High alarm relay, over-range relay and fault relay). Panel also has 24V DC 500 mA auxiliary power supply output. By use of remote control inputs, alarm can be silenced and all the channels in the panel can be disabled.



PRODUCT FEATURES

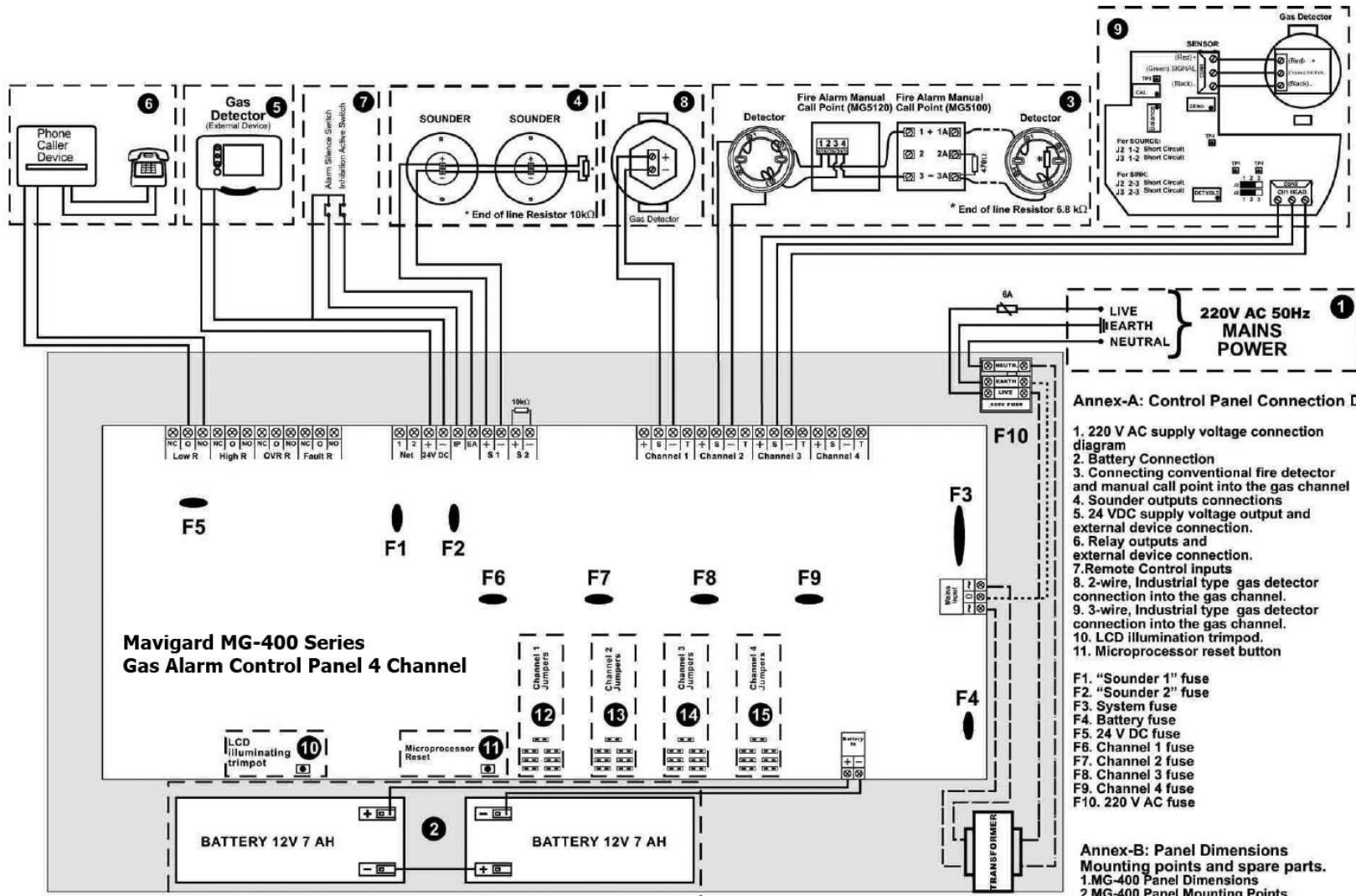
- MaviGard MG-400 is a 4 channel, 24V DC operating voltage Gas Alarm Control Panel 4 Channel. Each channel can host 1 gas detector or 20 fire detectors with unlimited number of manual call points.
- Gas level in each channel, alarm and fault condition can be monitored via 240 x 64, adjustable light intensity LCD screen and LED indicators.
- Compatible with Industrial gas detectors.
- Compatible with 4-20mA converter connection.
- High and low alarm threshold can be determined. High and low alarm relays, high level fault relay and general fault relay provide to send signal to different systems.
- Remote control
- Determined channels can be disabled, sounder outputs and relays can be tested, gas detectors can be zeroed and calibration can be done via panel.
- Place name can be defined for panel and detectors.
- Channels measurement unit can be selected as ; "%LEL", "PPB", "PPM", "%VOL" and "FIRE" .
- Upper and lower alarm warnings can be selected according to gas level increasing or decreasing
- Relays can be operated as latching and non-latching
- Relays can be operated as N/O or N/C
- Sounder outputs can be operated as latching and non-latching
- Compatible with two and three cables detectors
- Channels can be operated as sink or source

- Access password to prevent unauthorized people access to program setting menu

TECHNICAL SPECIFICATIONS

Power supply voltage:	230V AC
Channel capacity:	4 (Each channel can host 1 gas detector or 20 fire detectors with unlimited number of manual call points.)
Sounder output:	2 x (24V DC 500mA)
External power supply output	24V DC 500mA
Fault relay :	30V DC 8A / 250V AC 10A dry contact
Low level relay :	30V DC 8A / 250V AC 10A dry contact
High level relay :	30V DC 8A / 250V AC 10A dry contact
High level fault relay:	30V DC 8A / 250V AC 10A dry contact
Fire zone end of line resistance :	1,8 k Ω (If conventional fire detectors are connected)
Sounder circuit end of line resistance :	10 k Ω
Network operating :	Repeater pane connection can be done, relay module can be connected.
Battery:	2x(12V 7Ah)
Construction :	Panel box; 1,2mm DKP sheet, Front of panel; 1,5mm DKP sheet
Surface :	Epoxy paint
Mounting type :	Surface
Standard color :	Gray metal box, white front of panel
Operating temperature:	(-10°C) - (+55°C)
Relative humidity (non-condensing):	%95 (non-condensing)
Dimensions:	400 x 300 x 100mm
Weight:	5,3 kg

CONNECTION DIAGRAM



Annex-A: Control Panel Connection Diagram

1. 220 V AC supply voltage connection diagram
 2. Battery Connection
 3. Connecting conventional fire detector and manual call point into the gas channel
 4. Sounder outputs connections
 5. 24 VDC supply voltage output and external device connection.
 6. Relay outputs and external device connection.
 7. Remote Control inputs
 8. 2-wire, Industrial type gas detector connection into the gas channel.
 9. 3-wire, Industrial type gas detector connection into the gas channel.
 10. LCD illumination trimpot.
 11. Microprocessor reset button
- F1. "Sounder 1" fuse
 F2. "Sounder 2" fuse
 F3. System fuse
 F4. Battery fuse
 F5. 24 V DC fuse
 F6. Channel 1 fuse
 F7. Channel 2 fuse
 F8. Channel 3 fuse
 F9. Channel 4 fuse
 F10. 220 V AC fuse

- Annex-B: Panel Dimensions
 Mounting points and spare parts.
- 1.MG-400 Panel Dimensions
 - 2.MG-400 Panel Mounting Points
 - 3.MG-400 Panel Spare Parts
 - 3-1. MG-400 Electronic board card
 - 3-2. Transformer