

MMA 190 - 8 Channel Microprocessor Annunciator

◆ Description ◆

The Megatron Microprocessor Annunciator MMA-190 monitors any parameter converted to an electrical signal: level, Temperature, flow, pressure, humidity, voltage, current etc. The Annunciator produces audio and visual alarms when a deviation from the normal occurs.



◆ Specification ◆

- Power supply:** 220 / 110 VAC or 24 VDC
- Input:** 8 Dry contacts or Voltage up to 220 V.
Opto-isolators provide full galvanic isolation between voltage inputs and system.
- Output:** 75 db internal buzzer,
relay contact for external horn.
- Fuse:** 220VAC – 0.2A / 24VDC – 0.6A.
- Ambient Temp.:** 0 ÷ +65°C.
- Enclosure:** Panel mount box Noryl GFN2.
- Size:** w72 x h144 and depth 150 mm.
Panel cut out 140 x 66 mm.
- Connection:** plug-in terminals on rear panel
- Mounting:** fixed by 2 holding clamps to panel.
A metal holder for wall mounting is available.
- Protection category:** IP-51.

◆ Field programming ◆

Some system parameters can be changed by the miniature BIT-SWITCHES (E, M) installed on the PCB.

- BIT-SWITCH E (for 1-8 channels) allow selection of NO/NC or "voltage" / "no voltage" mode. One BIT of switch E are for one input.

Voltage inputs:

Type of input	Description	BIT position
Voltage	Voltage input is at normal and absence voltage is alarm.	OFF
No voltage	No voltage input is at normal and existing voltage is alarm.	ON

Dry contacts inputs:

Type of input	Description	BIT position
NO	NO contact is at normal and NC is alarm.	ON
NC	NC contact is at normal and NO is alarm.	OFF

- "Latch" mode (momentary alarms) can be selected by BIT-SWITCH M (BIT1-2). While the system is in "Latch" the MMA will remain at it's last position, it means flashing and horn activate even when the alarm returns to normal. A button will stop the light and the horn.

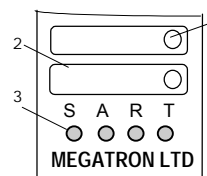
In "No-Latch" mode the horn and the light will stop operating automatically when alarm returns to normal.

Channels	1-4	5-8
BIT Switches M	BIT1	BIT2

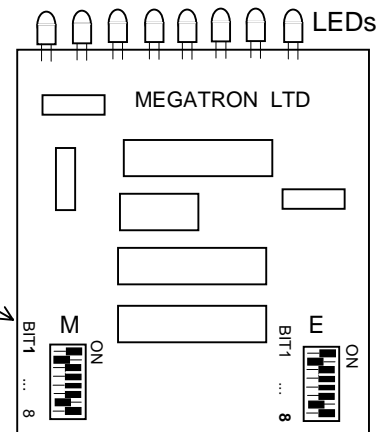
OFF = "Latch" mode
ON = "No-Latch" mode

◆ Panel description ◆

- [1] LED indicates an alarm position.
[2] Tagging plate to be stuck.
[3] Push-buttons: S – Silence. Horn stops without stopping the flashing light;



A - Acknowledgment - stops the flashing and horn;
R - Reset - returns the system to the normal position at mode ISA2B, F.O.A.;
T -Test - functional.



MMA190-S-2-03-E



