Sensigas®

EW40 Gas Detection Systems
MED/3.54 (IEC 60092-504) certified

MDD40
Remote Display Module
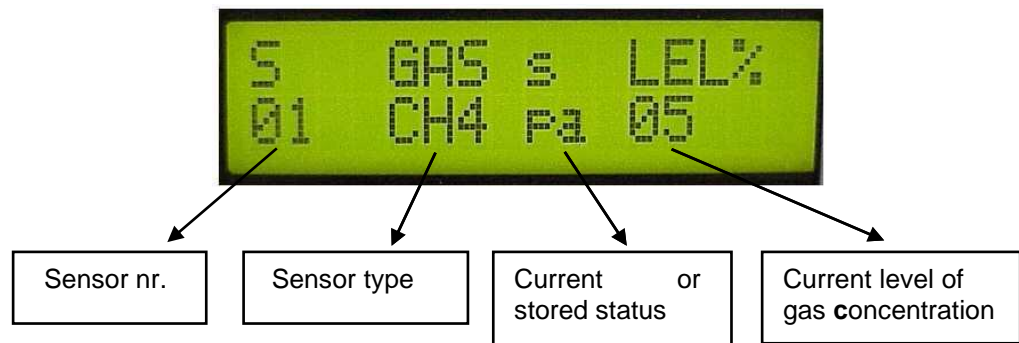for EW40 System

Remote Display Module connected to UCE40MPA.. via BUS.
12Vdc power supply.
2 rows x 16 columns alphanumerical backlit display.
Front panel LED for module operating status indication.
Display cursor keys in case of more simultaneous alarms.

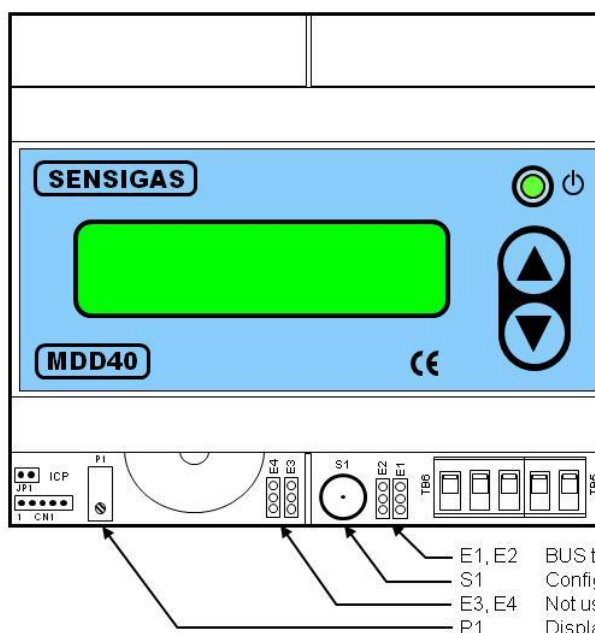|	
Use	Display Modules are used for remote monitoring of all alarm status detected by one or more remote sensors or remote alarm modules associated to it.
	Displayed data are only readable.
Ordering	When ordering only indicate product code: **MDD40**
Operation	During normal operation, i.e. no gas leak alarm, the display backlit is off.
	In case of gas presence the display shows a "page" for each alarm sensor showing the following data: sensor number, sensor type, current gas concentration and reached alarm threshold.

Sensor nr.	Sensor type	Current or stored status	Current level of gas concentration

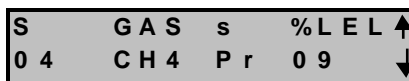|	
Possible combinations	The quantity of Display Modules that can be installed in one plant cannot exceed 16.
	It can be associated with more sensors or alarm modules

Technical data	Power supply	10…14Vdc
	Power consumption	2,5W max
	Environmental conditions	
	Transportation	Temperature -20°C... +70°C Humidity < 90% R.H.
	Operation	Temperature -20...+55°C Humidity < 90% R.H., non condensing
	Protection degree	IP20 (IP40 if mounted in electric board)
	Display type	N.2 x N.16 characters, backlit
	Optical signals	GREEN LED = Module status - Fast blinking = module not configured - Slow blinking = module configured (1 pulse every 5s) - This LED can be forced steady on to visually identify the module in the plant. DISPLAY = backlit ON when an alarm occurs.
	Audible signal	BUZZER = BIP at the end of page and during configuration phase.
	User interface and configuration	

E1, E2   BUS termination jumpers
S1   Configuration key
E3, E4   Not used
P1   Display adjustment

Notes:
Normally, if several alarms are present, the display module brings up the scan of alarms in order of importance (2t, 1t, Pr). An alarm, or a variation of one already present (for example moving from 1t to 2t), takes priority on the display until normal scanning starts again.

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S       G A S   s     % L E L ↑
0 4     C H 4   P r   0 9      ↓
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If arrows (UP) and (DOWN) are shown, then other field devices are in alarm condition and can be seen before and after the one displayed.

Press the keys ▲▼ in order to show all alarms

CE <u>Conformity</u>

⚙ 0474 / xxxx (manufacturing year)
CERTIFICATE n. MED327120CS

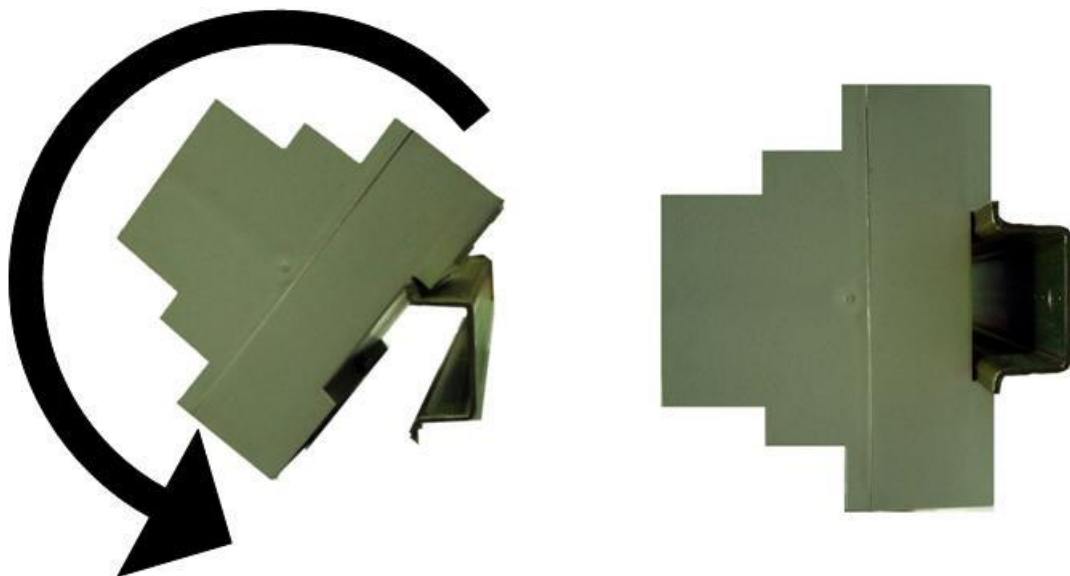| MED Directive / Standards	MED 2014/90/EU / IEC 60092-504
EMC Directive / Standards	EMC 2014/30/EU / EN50270 / EN 61326-1
LVD Directive / Standards	Not Applicable
<u>Product Standard</u>	EN60079-29-1

Installation   The MDD40 (DM) display modules must be mounted on DIN rails, whether they are fitted to a mounting plate or panel mounted.

In the latter case, the detector must be wired before fixing, since it is no longer possible to access the terminal boards after the panel is fixed.

Wall mounting   Prepare and horizontally attach a DIN rail no shorter than 100 mm to the wall. Then place the module at the top of the rail and slowly but firmly push downwards until it clicks into place.
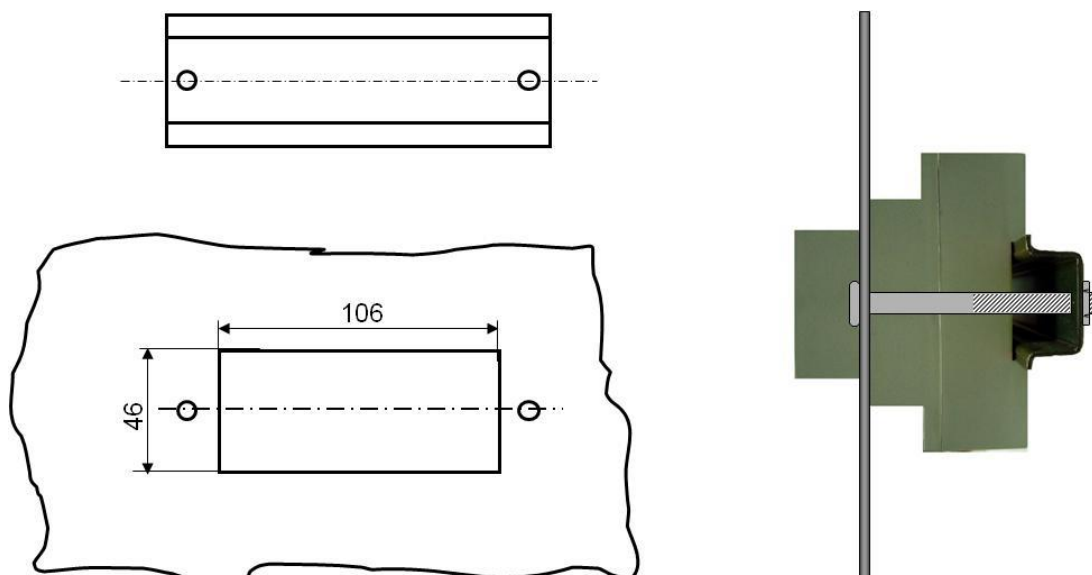
To unhook the devices from the support rail, insert a small screwdriver into the slot of the spring situated at the bottom of the enclosure.
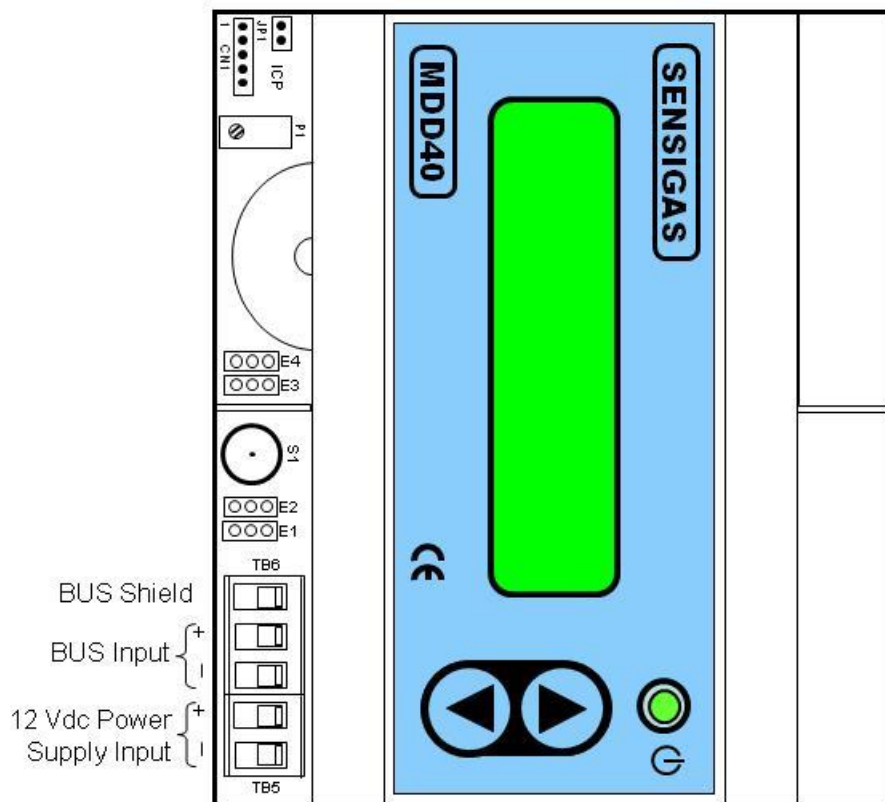
Flush panel mounting

Mount as follows:
- Prepare a piece of DIN rail no shorter than 160 mm with holes on the side to pass through dedicated tie rods
- Knock out a 46x106 mm opening on the front panel of the electric board and drill two holes on the sides for the tie-rods to pass through (line them up with the DIN rail holes)
- Fit the module on to the DIN rail as previously shown
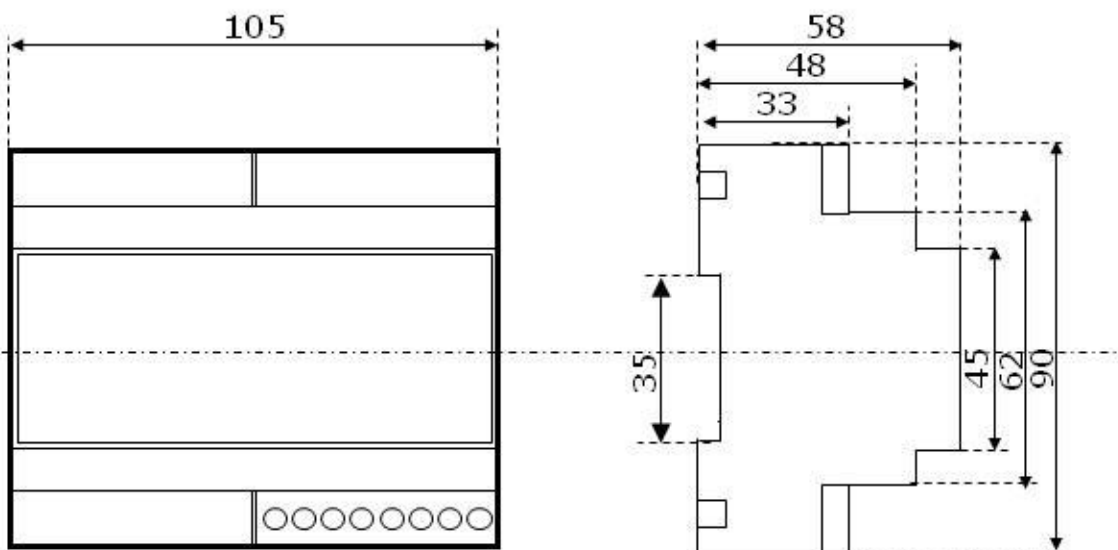- Use the dedicated tie rods to fix the whole thing to the panel.

106

46

Wiring

Trimmer for display contrast adjusting available.

Dimensions and Weight

Weight 0,3Kg / dimensions (in mm) as follow:

Environmental Compatibility and Disposal

This product has been developed and built using materials and processes that take into account the environmental issue. Refer to the following notes for disposal of the product at the end of its life, or in case of its replacement:

- for the purpose of disposal, this product is classified as an electrical and electronic device: do not dispose of it as household waste, in particular as regards the printed circuit
- comply with all local laws in force
- facilitate the reuse of basic materials as much as possible in order to minimize the environmental impact
- use local depots and waste recycling companies, or refer to the supplier or manufacturer, to return used products or to obtain further information on environmental compatibility and waste disposal

The product packaging is reusable. Keep it for possible future use or in case of returning the product to the supplier.

Due to our policy of continuous product improvement, specifications are subject to change without notice.