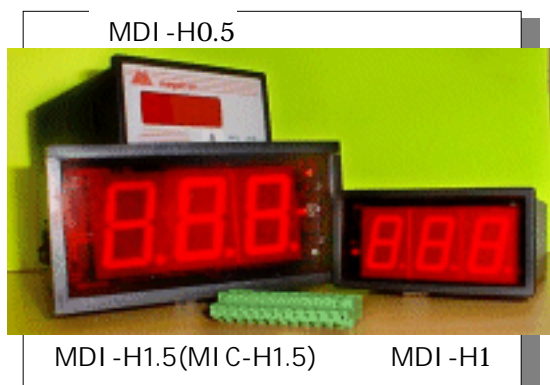


# MDI -H1, MDI -H1.5 Digital Indicators / MIC-H1.5 Controllers



## ◆ Specifications ◆

- Accuracy:** ±0.1% F.S. or ±1 count
- Power supply:** 110/220 ±15%VAC
- Display:** 3 digits (0-999), super red LED, size 1.0" /1.5".
- Output MIC-1(2):** 1 (2) relays N.O., 250VAC/5A
- Ambient Temp.:** -10 ÷ +55 °C.
- Temp. stability:** 0.05% changes @10°C of ambient temp.
- Connection:** plug-in terminal on rear panel.
- Dimension:** MDI -H1: W 96 x H 48 x D 118 mm.  
Panel cut-out 91 x 43 mm.  
MDI (MIC) -H1.5: W 144 x H 72 x D 150 mm  
Panel cut-out 138 x 66 mm.
- Mounting:** by frame with two screws. A metal holder for wall mounting is available.
- Protection category:** IP-51.

## ◆ Description ◆

The Digital Indicator **MDI** is used to display almost every electrical input-signal and designed with three variants of display:

**MDI -H0.5\*** has ordinary LCD/LED 0.5" display;  
**MDI -H1.0, MDI -H1.5.** have 1" or 1.5" super red LED display.

The Controller **MIC** provides 1 or 2 C/O contacts and has 1.5" super red LED display. Set-point can be set up by multiturn potentiometer on the front panel.

\* See data sheet of Indicators MDI

## ◆ Calibration ◆

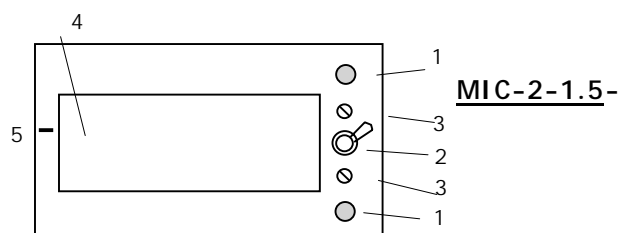
The unit is calibrated according to customer requirements.

Output relays can be FSL (activated above set-point and released under) or FSH (selected by a jumper).

Relay set-point can be adjusted by potentiometers Set A (MIC-1) and Set A,B (MIC-2) [3] located on the front panel:

- Set selector switch [2] in required mode and adjust set-point by appropriate pot' [3]. See value on display [4]. Repeat calibration.

## ◆ The front panel description ◆



- [1] LED's indicate activated output relay.
- [2] Display selector switch:  
upper position – set-point value of relay A,  
middle position –input value,  
lower position – set-point value of relay B.
- [3] Potentiometers for setting set-points.
- [4] Display.
- [5] Symbol "Minus".

## ◆ Selection table ◆

Table 2

MEASURE- MENTS	Suffix	INPUT	DISPLAY SIZE MODEL	LED			
				1"		1.5"	
				MDI	MDI	MIC	
				1	2		
Current DC	-CDC	4 ÷ 20 mA , Rin = 22 Ω		•	•	•	•
Voltage DC	-VDC	0 ÷ 199.9 mV, Rin=10 MΩ up to 10 V, Rin=1 MΩ above 10V		•	•	•	•

MDI\_H-P-1-03-E

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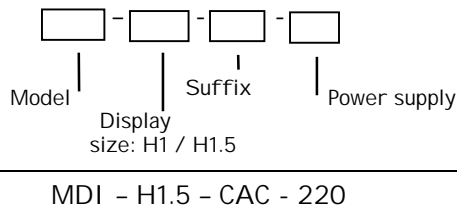
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טל. 8410704-04, פקס. 8410705-04

Table 2

MEASURE- MENTS	Suffix	INPUT	DISPLAY SIZE		LED	
			MODEL	1"	1.5"	
				MDI	MDI	MIC
				1	2	
Current AC	-CAC	0 ÷ 1A, 0 ÷ 5A; a conductor passes through current transformer		•	•	•
Voltage AC	-VAC	0 ÷ 199.9 mV, 0 ÷ 199.9 V, Rin=10 MΩ up to 10 V, Rin=1 MΩ above 10V		•	•	•
Temperature	-RTD	-100 ÷ + 500°C		•	•	•
Resistance	-POT	Pot. 0 ÷ 100 KΩ (3 wire)	•	•	•	•
	-R	R = 0 ÷ 200 Ω (2 wire)		•	•	•
Level	-KUB	KUBLER level resistance sensor		•	•	•
Power for 2 wire transmitter	-TWL	4 ÷ 20 mA, R = 22Ω (V <sub>supply</sub> = 24 VDC)		•	•	

◆ Ordering information ◆



Examples:

(MDI - H1 - POT - 220)  
(MIC-2 - H1.5 - RTD - 220)

◆ Connection ◆

Table 3

<p><b>MDI -H... / CDC / VDC ...</b> 0 ~</p> <p>12 11 10 9 8 7 6 5 4 3 2 1</p> <p>Input 220 VAC</p> <p><b>MDI -H... / CAC / VAC ...</b> 0 ~</p> <p>12 11 10 9 8 7 6 5 4 3 2 1</p> <p>Input 220 VAC</p> <p><b>MDI -H... / Pot / RTD / R ...</b> 0 ~</p> <p>12 11 10 9 8 7 6 5 4 3 2 1</p> <p>Pot./RTD 220 VAC</p> <p>R</p> <p><b>MDI -H1.5-KUB ...</b> 0 ~</p> <p>12 11 10 9 8 7 6 5 4 3 2 1</p> <p>Brn Blk Blu Input 220 VAC</p>	<p><b>MDI -H1.5-TWL ...</b> 0 ~</p> <p>12 11 10 9 8 7 6 5 4 3 2 1</p> <p>220 VAC</p> <p>Input and power connections for the MIC-1 and MIC-2 are the same as in the left column.</p> <p><b>MIC-1-H... ...</b></p> <p>12 11 10 9 8 7 6 5 4 3 2 1</p> <p>Output</p> <p><b>MIC-2-H... ...</b></p> <p>12 11 10 9 8 7 6 5 4 3 2 1</p> <p>Outputs</p>
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