



## Controller MIC-1-DF

### Description.

MIC-1-DF is a ON/OFF Controller accepts 2 analog inputs of 4-20 mA and displays the difference  $I1 - I2$  ( $I1 > I2$ ).

When  $I1 = 20$  mA and  $I2 = 4$  mA the display will be Max.

And when  $I1 = I2$  - the displays is 0. The Controller provides a c/o contact.

Set - point is adjust by a potentiometer on the front panel .



### Specification

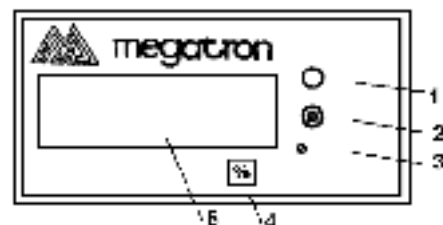
- Accuracy:** 0.1% F.S. or +/- 1 count.
- Power supply:** 115 / 230 Vac .
- Input:** 4 - 20 mA .
- Output:** c/o contact 220V / 5A
- Display:** 3.5 digits (0-199.9) 0.5", LCD.
- Connection:** by terminal on rear panel.
- Ambient Temp.:** -10 to +60 ° C.
- Temp. stability:** 0.05% at changes of 10 ° C at ambient Temp.
- Enclosure:** plastic case. **Protection category:** IP-51.
- Size:** 96 x 48 mm and depth 118 mm.  
Panel cutout 91 x 43 mm.
- Mounting:** by frame with two screws.  
A metal holder for wall mounting is available.

### Calibration

The device is calibrated according to customer requirements. Output relay is FSL. It means, activated when the signal is above the Set-Point and released when it's under . For setting, hold push-button [2] (see the picture below) and adjust the value by pot. [3]. Setted value can be read on the display [5]. Display range can be adjusted by pot. ZERO and SPAN.

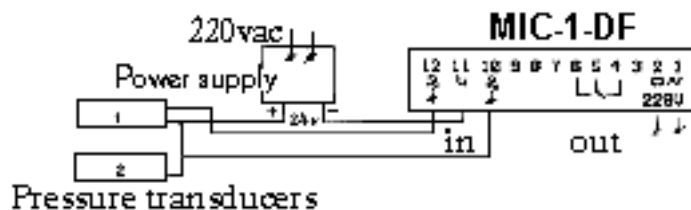
When  $I1 = 20$  mA and  $I2 = 4$  mA, adjust pot. SPAN to obtain Max value and, when inputs signals are equal, adjust ZERO to obtain 0.

### Description of the front panel



- [ 1 ] LED indicates when output relay is activated.
- [ 2 ] Push-button - for display the set-point.
- [ 3 ] Potentiometer for setting set-point.
- [ 4 ] Units. [ 5 ] Display.

Connections of MIC-1-DF are according to the label by the terminal.  
For example, Input signals from two pressure Transducers:



### Application