

## FEATURES

- ❑ Input – Process value and Auto command
- ❑ 4 to 20 mA scaleable output
- ❑ Dual digital display
- ❑ Selectable auto or manual control
- ❑ Operation and Calibration through keyboard on front panel
- ❑ User friendly installation and operation



In many process control applications it is necessary to be able to control a device manually. Often a potentiometer or rotary switch is used, but this method cannot be easily repeatable and it may be too coarse. Micro Systems & Controls have designed a versatile and easy-to-use selection of manual stations, using their auto manual station AM201. AM201 provides an automatic and manual analog control output to process controllers, speed controllers and actuated devices. Input to the station can be a manually set process value (4 to 20 mA) or auto command from higher end system. The input signal automatically controls the analog output from the auto manual station to the controlled device in the auto mode. If in any circumstances the input signal gets disrupted AM201 could be transferred to the manual mode. AM201 returns back to auto mode by ramp up or ramp down at the programmed rate-of-change when the input signal comes to its proper normal condition to provide bumpless transfer between modes. Front panel control enables easy modification of system parameters. The digital display for process value and output command value along with the LED's for status indication of auto / manual mode provides convenient monitoring of the signals.

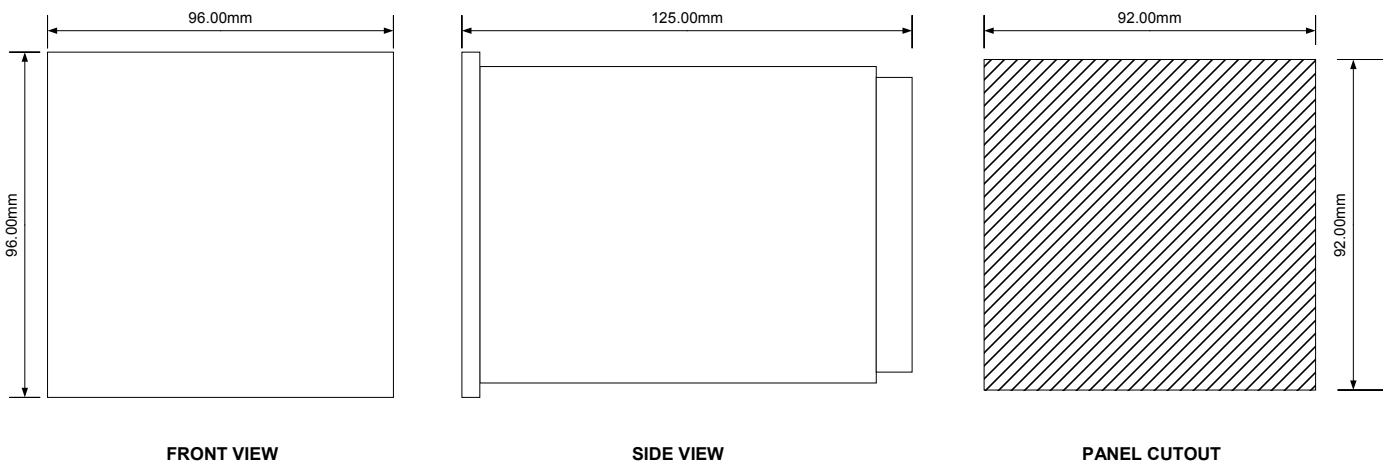
## SPECIFICATIONS:

|                       |   |
|-----------------------|---|
| Input                 | <ol style="list-style-type: none"> <li>1. Process Value of 4 to 20mA / 1-5V</li> <li>2. Auto command from higher end system 4 to 20mA / 1-5V</li> </ol>   |
| Display               | <ul style="list-style-type: none"> <li>▪ 4 digit 0.56" 7 segment LED for Process Value</li> <li>▪ 4 digit 0.39" 7 segment LED for output in 0 – 100%</li> <li>▪ Individual status LEDs</li> </ul>                                 |
| Output                | <p>4 to 20mA DC</p> <ol style="list-style-type: none"> <li>1. In auto mode, input same as higher end system input</li> <li>2. In manual mode, setting from front panel keys with separate slow and fast mode operation</li> </ol> |
| Load resistance       | 0 to 750 ohms   |
| Accuracy              | +/- 0.25% of span   |
| Linearity             | +/- 0.25% of span   |
| Computational Feature | Square rooting of input signal selectable from the front panel  |
| Response time         | Better than 1 sec   |

**contd. specifications:**

|                       |   |
|-----------------------|---|
| Alarm output          | RL1 - 1 C/O contact relay output, Process value alarm           |
| Status output         | RL2 - 1 C/O contact status relay output, On when in Manual mode |
| Relay rating          | 3A / 230V AC resistive max.                                     |
| Transmitter Supply    | +24V +/- 2V, 30mA max.  |
| Power supply          | Universal SMPS suitable for 95 to 265V AC and 110 to 300V DC    |
| <b>ENCLOSURE</b>      |   |
| Enclosure             | Flame Retardant ABS   |
| IP Rating             | IP54 (Front Panel)  |
| Mounting type         | Flush on panel  |
| Panel cutout          | 92 × 92 mm  |
| Bezel dimension       | 96 × 96 mm  |
| Depth behind panel    | 125 mm including terminals                                      |
| <b>ENVIRONMENT</b>    |   |
| Operating temperature | 0 to 60 Deg.C   |
| Operating humidity    | Up to 95% non condensing  |

**DIMENSIONS IN mm:**



**ORDERING CODE:**

9
3
2
-
0
0
0
-
0
0