

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
- ❑ Universal power supply or 24VDC PS



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.

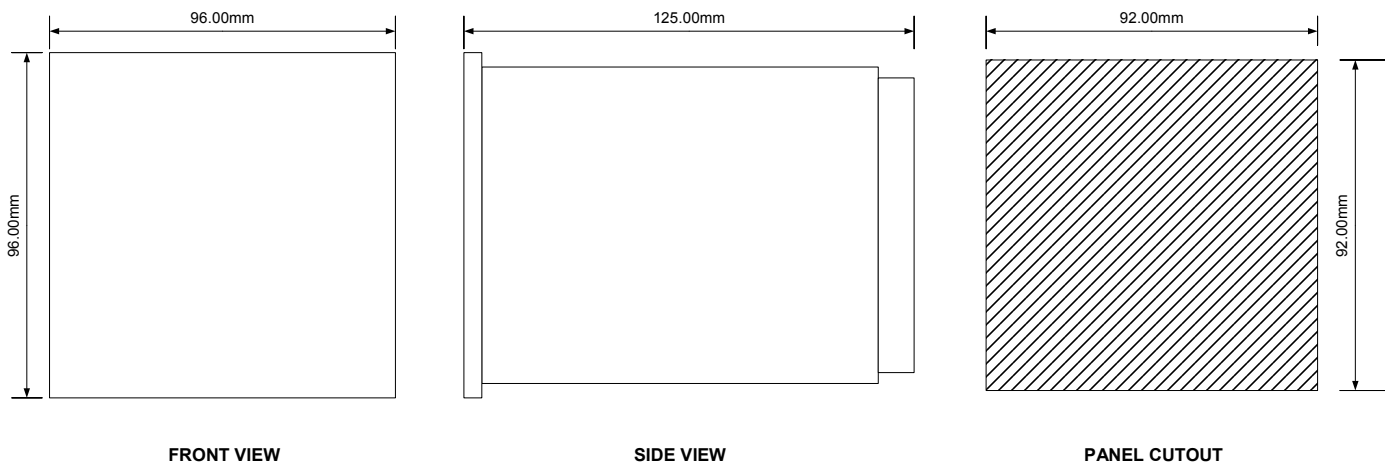
SPECIFICATIONS:

Input	<ol style="list-style-type: none"> 1. Process Value of 4 to 20mA / 1-5V 2. Auto command from higher end system 4 to 20mA / 1-5V
Display	<ul style="list-style-type: none"> ▪ 4 digit 0.56" 7 segment LED for Process Value ▪ 4 digit 0.39" 7 segment LED for output in 0 – 100% ▪ Individual status LEDs
Output	4 to 20mA DC <ol style="list-style-type: none"> 1. In auto mode, input same as higher end system input 2. In manual mode, setting from front panel keys with separate slow and fast mode operation
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

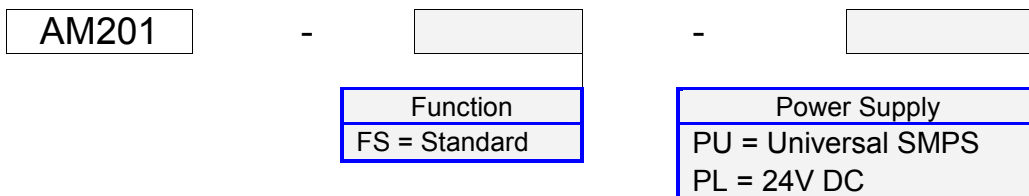
contd. specifications:

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 90-260VAC/110-250VDC, 10VA max or 24V DC +/-10%, 0.5A max (ordering code)
ENCLOSURE	
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
ENVIRONMENT	
Operating temperature	0 to 60 Deg.C
Operating humidity	Up to 95% non condensing
Gross Weight	480 gms

DIMENSIONS IN mm:



ORDERING CODE:



SAMPLE CODE ORDER:
AM201 - FS - PU
 Standard Version, Power supply - Universal SMPS