

The instrument may be used in either the AUTO Station mode or in the manual mode. The auto manual station provides an automatic and manual analog control output to PLCs, process controllers, speed controllers, and actuated devices.

Input to the station is a 4 to 20mA signal from the control room. The output signal is an isolated 4 to 20mA signal.

The bargraph always reads the input 4 to 20mA signal.

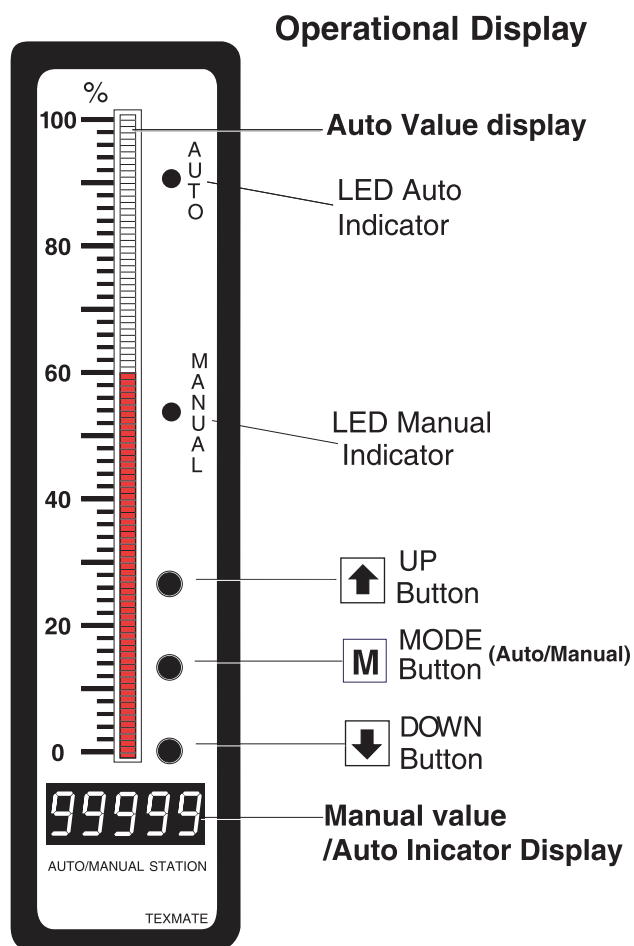
MANUAL STATION MODE

In the manual mode the digital value shown on the controller display is proportional to the scaled output and is adjusted directly through the front panel UP or DOWN buttons to ensure precise and repeatable operation.

Display in MANUAL Mode

Display in MANUAL Mode	OUTPUT
0.0	4.00 mA
10.0	5.60 mA
20.0	7.20 mA
25.0	8.00 mA
30.0	8.80 mA
40.0	10.40 mA
50.0	12.00 mA
60.0	13.60 mA
70.0	15.20 mA
75.0	16.00 mA
80.0	16.80 mA
90.0	18.40 mA
100.0	20.00 mA

Front Panel Controls and Indicators



Display with Faceplate and Bezel

AUTO STATION MODE

In the auto mode the display is proportional to the 4 to 20mA signal from the control room.

INPUT from Control Room	Display in AUTO Mode	OUTPUT
4.00 mA	0.0	4.00 mA
5.60 mA	10.0	5.60 mA
7.20 mA	20.0	7.20 mA
8.00 mA	25.0	8.00 mA
8.80 mA	30.0	8.80 mA
10.40 mA	40.0	10.40 mA
12.00 mA	50.0	12.00 mA
13.60 mA	60.0	13.60 mA
15.20 mA	70.0	15.20 mA
16.00 mA	75.0	16.00 mA
16.80 mA	80.0	16.80 mA
18.40 mA	90.0	18.40 mA
20.00 mA	100.0	20.00 mA

The input signal automatically controls the analog output from the auto / manual station to the controlled device in the auto mode.

If the operator needs to manually control the analog output independently of the input signal, the station can be switched to the manual station mode using the front panel MODE button.

To Change operation to MANUAL STATION MODE

Press the MODE button and hold it down until the MANUAL LED comes ON.
The instrument is now in the Manual Station Mode.
The output will be proportional to the display. The display may be changed using the UP or DOWN buttons and the output will change to the new value instantly.

The auto / manual station may be returned to the auto mode when required by the operator.

The control output will then ramp up or down at the programmed rate-of-change to provide bumpless transfer from the manual station to the auto station mode.

While the output is adjusting to the correct value, the AUTO LED will flash.
When the output has adjusted to the correct value, the AUTO LED will go OFF and the digital display will display the word AUTO to indicate that the unit is now in AUTO mode.

To Change operation to AUTO STATION MODE

Press the MODE button and hold it down until the AUTO LED starts pulsing ON and OFF.

The instrument is now in the Auto Station Mode.

The display tracks the input 4 to 20mA signal from the control room.

The output will ramp up or down at the programmed rate-of-change until it reaches the required value, thereby providing bumpless transfer from the manual station to the auto station.

As the output is ramping UP or DOWN the actual value of the output is continuously displayed on the digital display. Once the output has reached the correct value the AUTO LED will stop flashing, and the digital display will show the word AUTO.

In the AUTO mode, the analog output will track the 4 to 20mA signal input.

To Change the programmed Rate of Change

The rate-of-change is the rate (counts per second) at which the output signal changes from the manual mode back to the auto mode.

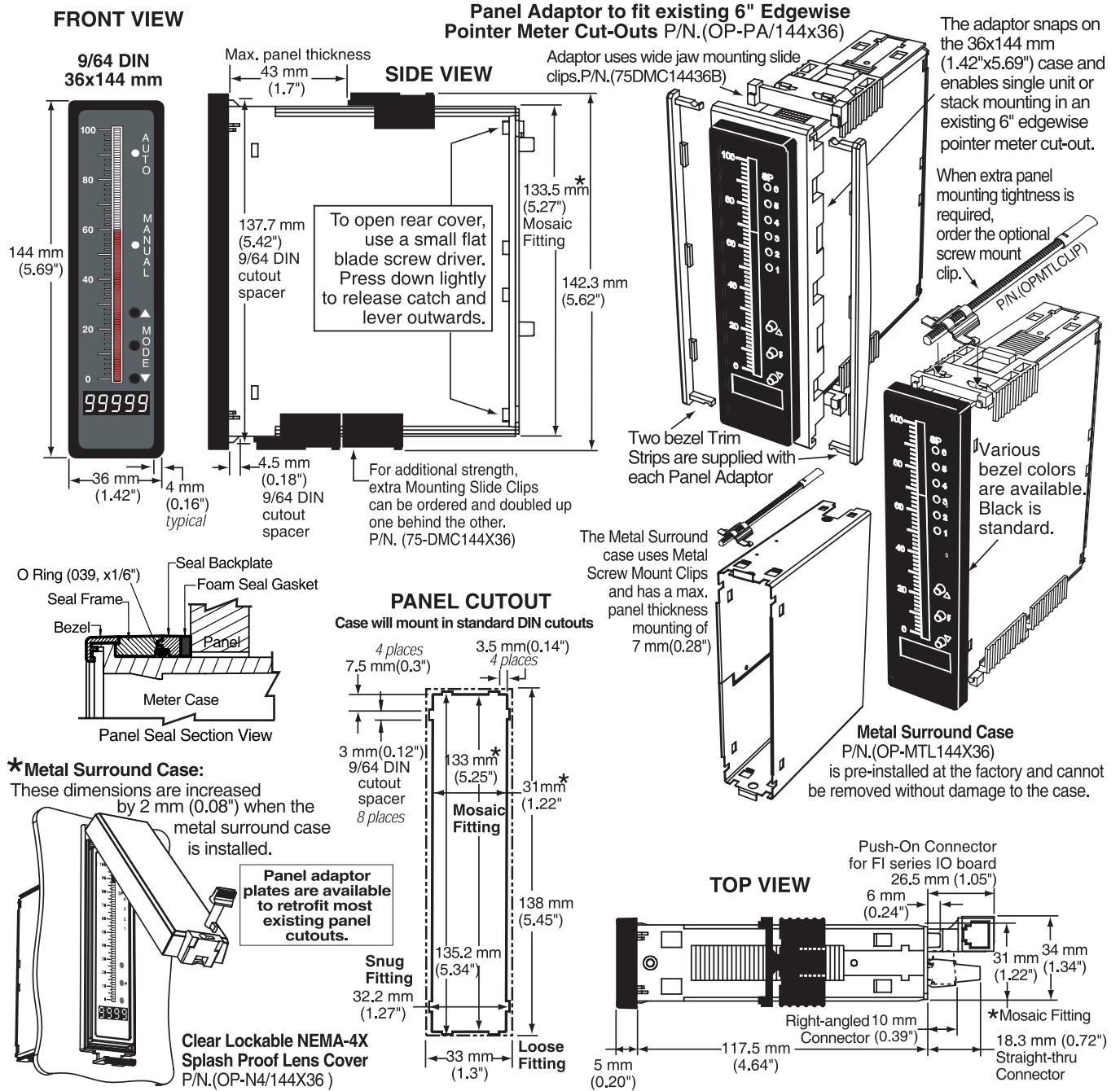
Press the MODE and DOWN button simultaneously.

Display flashes rAtE and the previously programmed rate in counts per second.

Adjust this rate to the desired value using the UP or DOWN buttons.

Press the MODE button to return to the normal display.

Case Dimensions



Rear Panel Connection

