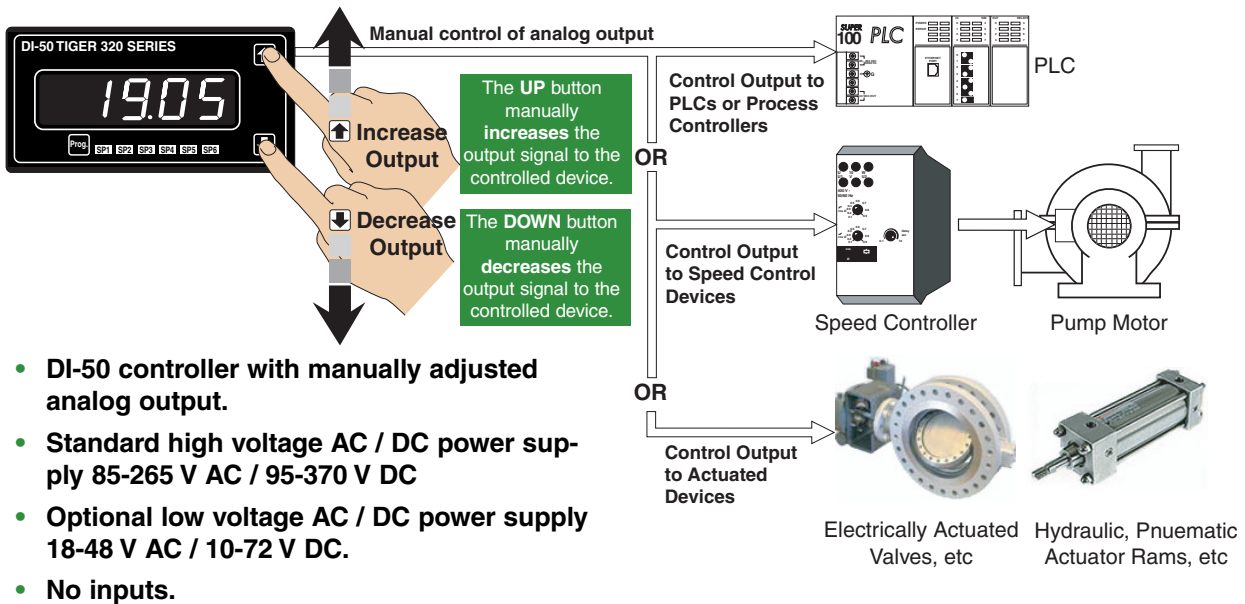


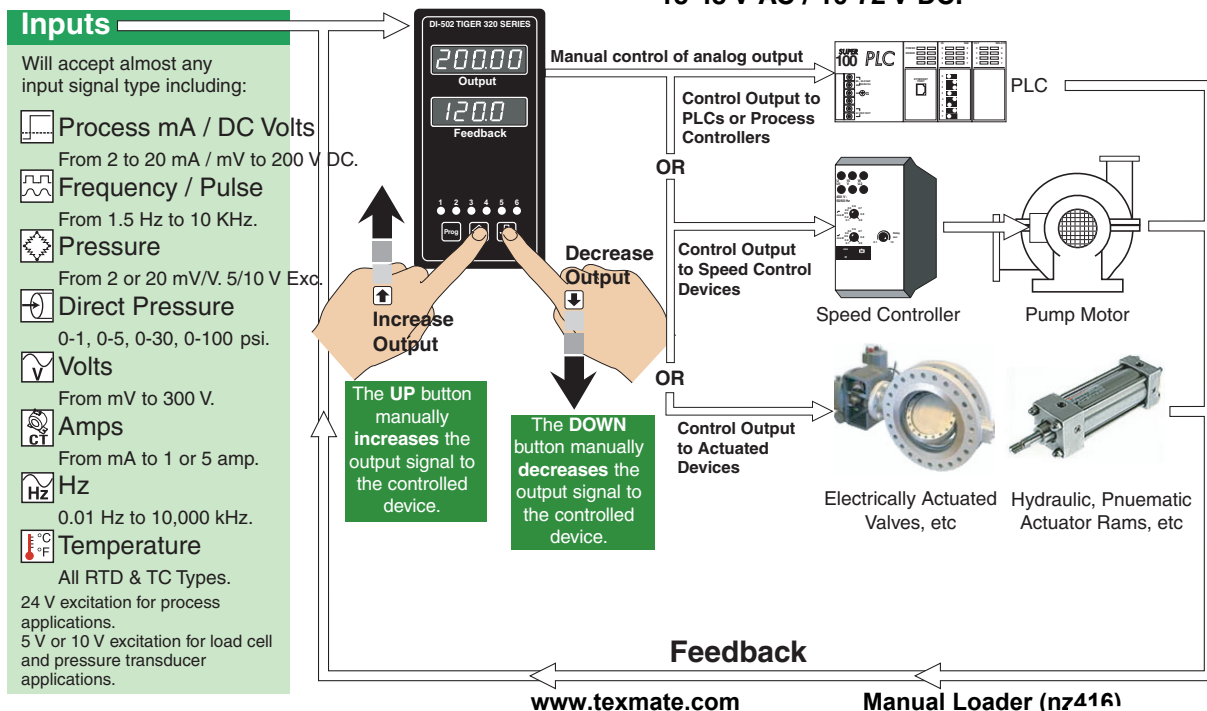
In many industrial applications it is necessary to be able to control a device manually. Often a potentiometer or rotary switch is used, but this method can be too coarse and not easily repeatable. Texmate have developed a versatile and easy-to-use selection of manual stations, using their Tiger 320 Series controller, that produce an accurate, digitally controlled and scaled 4 to 20 mA or 0 to 10 V output. The digital value shown on the controller display is proportional to the scaled output and is adjusted directly through the front panel buttons to ensure precise and repeatable operation.

## Manual Station with Manually Controlled Analog Output

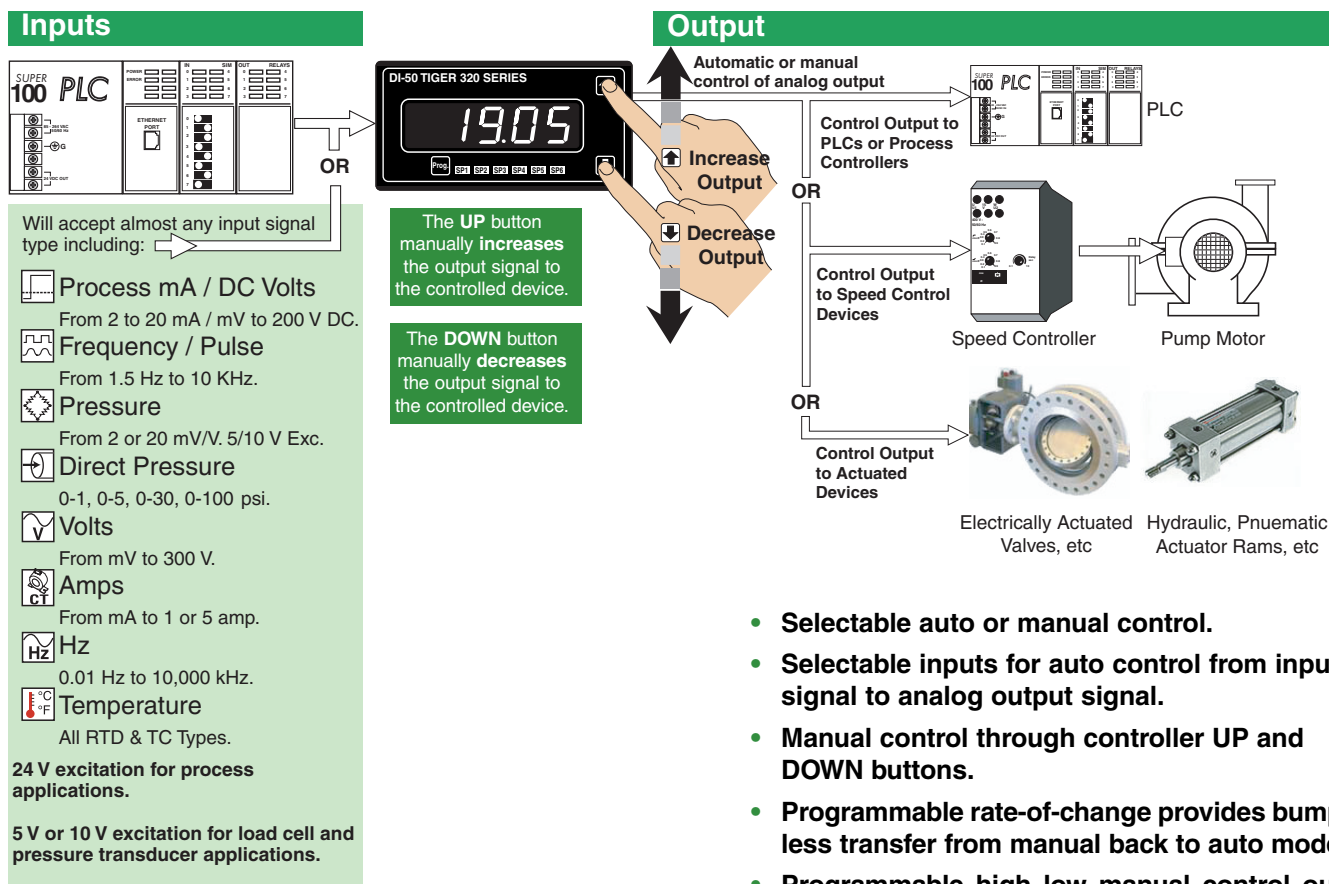


## Manual Station with Input Signal and Manually Controlled Analog Output

- The top display indicates the manually controlled analog output.
- The bottom display indicates feedback signal from the controlled device.
- Selectable Inputs with no output control from input signal.
- Standard high voltage AC / DC power supply 85-265 V AC / 95-370 V DC
- Optional low voltage AC / DC power supply 18-48 V AC / 10-72 V DC.



# Auto Manual Station with Bumpless Transfer



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 can be from a PLC or from almost any input sensor type.

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 mode using the front panel PROGRAM button. The auto manual station can then 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 between modes.

The rate-of-change is the transfer rate of the control output signal changing from the manual mode back to the automatic control output signal of the auto mode. This is set by the operator as displayed counts per second by pressing the PROGRAM and DOWN button at the same time and entering the [rAtE] menu. Manual mode control output signal high low limits can also be set.

- Selectable auto or manual control.
- Selectable inputs for auto control from input signal to analog output signal.
- Manual control through controller UP and DOWN buttons.
- Programmable rate-of-change provides bumpless transfer from manual back to auto mode.
- Programmable high low manual control output limits.
- 4-20 mA or 0-10 V DC scaleable output.
- The display indicates the automatically or manually controlled analog output.
- DI-50T controller.
- Standard high voltage AC / DC power supply 85-265 V AC / 95-370 V DC.
- Optional low voltage AC / DC power supply 18-48 V AC / 10-72 V DC.

## Additional Features of the Tiger 320 Controller

Depending on the installed memory, all Tiger 320 Series controllers have the following functionality available for further processing and control:

- Setpoints 1 to 3 available for alarm, timer, and control functions.
- Dual totalizers.
- 32-point flexible linearization tables.
- Data logging.
- Serial printing.
- Remote configuration and operation from PC through serial port.
- Code blanking and display text editing for easy operator interface.