
Technical Bulletin



ANDERSON-NEGELE

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ED-190 PROCESS CONTROL PACKAGE

The ED-190 Controller has been developed in response to a growing need for a field mounted electronic controller with a pneumatic output. This value added package incorporates a Nema 4X enclosure that houses a Model 801, micro-based, 1/8 DIN Controller and a pre-wired and piped I:P transducer. The customer can specify any of the wide range of Anderson-Negele electronic sensors to be pre-wired and calibrated to the controller.

The controller output is directly compatible with industry standard 3-15 psi control valve actuators, making this the logical choice for retrofitting existing mechanical controllers with filled system inputs. The controller may also be specified for new applications where a control panel is not located near the process. Applications include temperature, pressure, or liquid level control in Food, Dairy, Beverage, and Life Sciences plants, including:

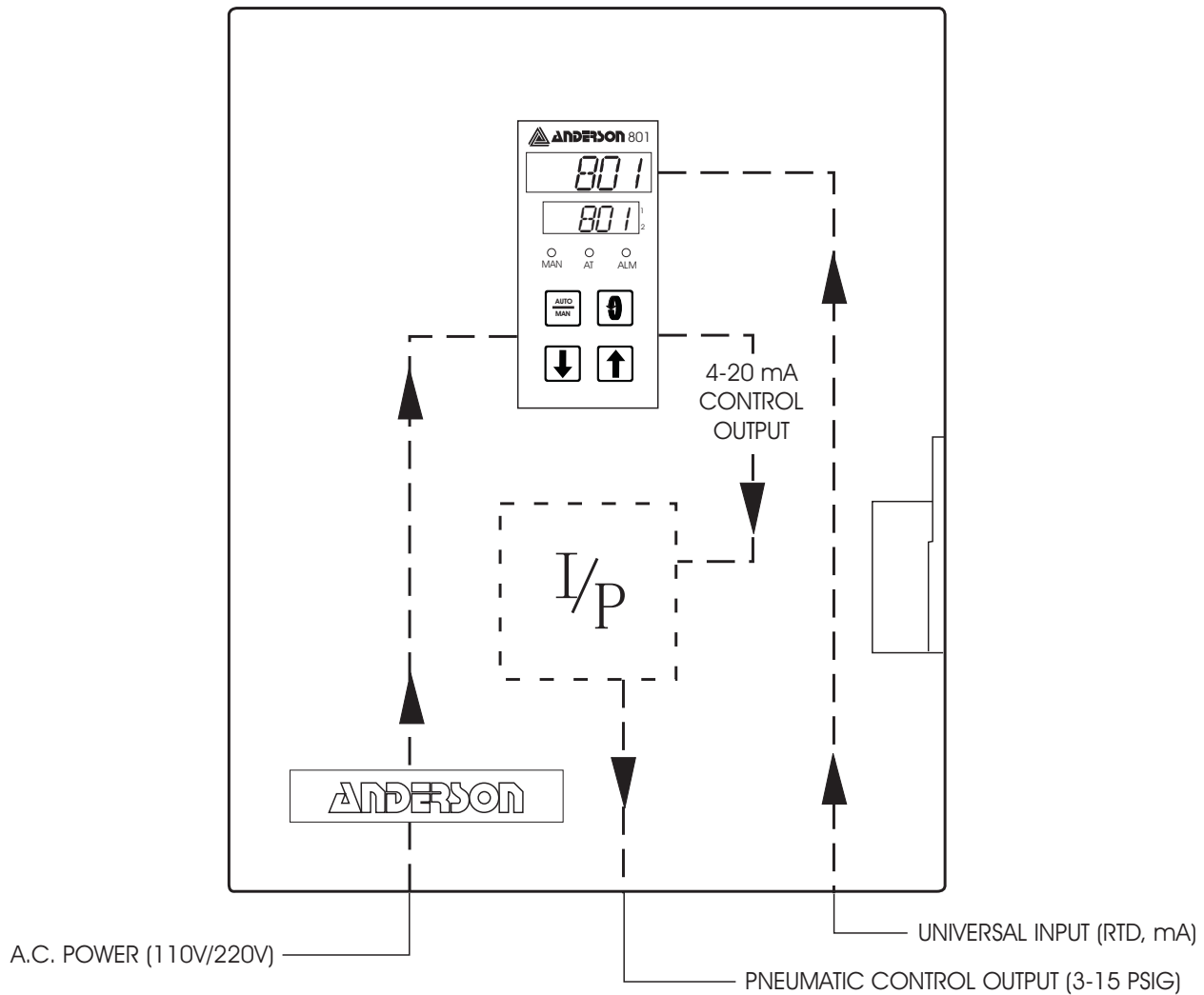
- Continuous heat exchangers
- Hot water control for batch processors
- Back pressure or feed pressure control for separators, fillers, filters, etc.
- Balance Tank level control
- Any existing application which incorporates a mercury, gas or liquid filled capillary and mechanical controller.

The package is available without the I:P transducer for applications where a 4-20 mA output is required to vary the speed of a pump to control pressure or level.

Refer to Doc 03601 for detailed specifications on the controllers, Doc 03396 and Doc 03526 for temperature and pressure sensors, and Doc 03377 for level sensors. Please see reverse for additional application information.

Please contact our Customer Service Dept. for price and delivery information.

ED-190 “Self-Contained” Control Package



Applications:

- Temperature: RTD input, 3-15 psi output to throttle steam, water, or glycol valve.
- Pressure: 4-20 mA Pressure Transmitter input, 3-15 psi output* to throttle feed pressure or back pressure control valve.
- Level: 4-20 mA Level Transmitter Input*, 3-15 psig output to throttle tank inlet or outlet valve.

* Pressure and Level control may also be accomplished by controlling pump speed via a variable frequency drive. Order ED-190 without the I:P transducer.