

Model 351 • Pump Controller, One Relay, 4-20 mA

Features

- Available for mounting Delta Controls housings or other enclosures
- Housings may be surface or pipe stand mounted
- Optional direct reading LCD display
- Accepts 4-20 mA signal from any type transmitter; 2, 3, or 4-wire
- Supplies DC power for 2-wire loops, and for 3 or 4-wire transmitters
- Field selectable fail-safe action
- Optional pump control functions
- Lead/lag control
- Adjustable time delays on relay operation
- Two alarm points
- Built-in loop power supply
- Selectable starting time delay
- Self-checking diagnostic routine
- Continuous setpoint indication
- Optional explosion-proof housing

Description

The Delta Controls **Model 351** Pump Controller is designed to operate as an alarm and/or adjustable differential controller. The 351 has a **0% to 100% setpoint** and **0% to 100% differential control**. It accepts a 4-20 mA input signal that is proportional to level (or another process variable). The 351 is microprocessor based and checks its input signal loop for integrity. The relay may be set up for direct or reverse fail-safe action.

A **variable delay** controls the timing of the relay operation to eliminate false switching due to transient conditions of the liquid level or process variable.

The unit is equipped with a built-in loop power supply and can also accept a **remotely powered** signal. The 351 must be located in a safe area—input signal wires may extend into ignition hazard areas through suitable barriers.

The 351 is potted and sealed in epoxy which is optional for all configurations and is recommended when any control is mounted in a moist or corrosive area.

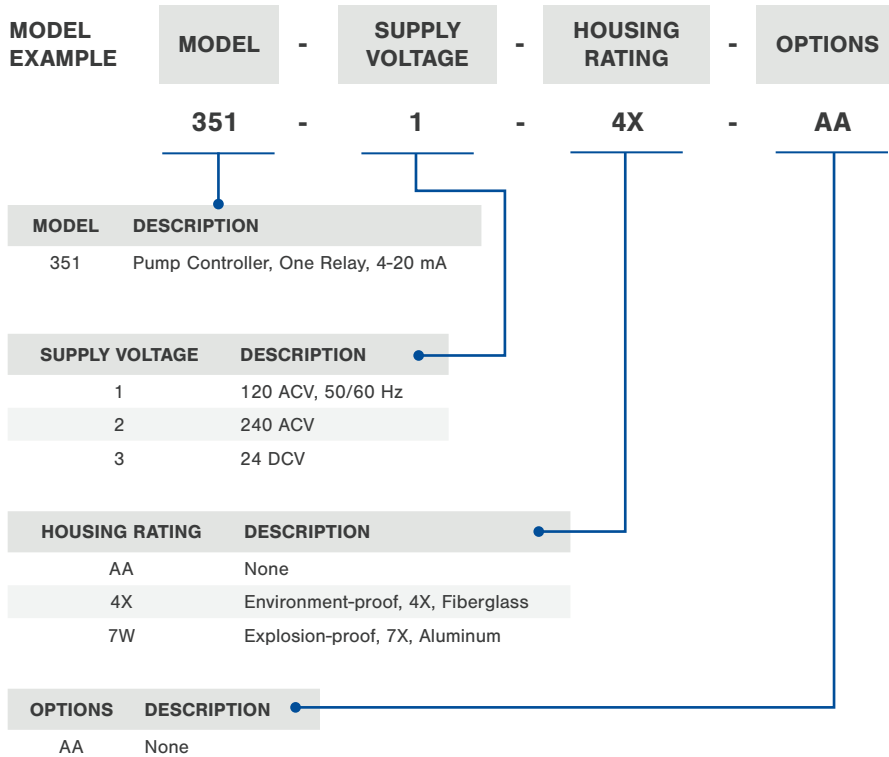


Model 351

Specifications

Input Range:	4-20 mA
Relay:	SPDT 10 A at 250 ACV
Switching Action:	Alarm or adjustable differential for on/off pump control
Accuracy and Repeatability:	> 1% of full scale (dial markings are approximate)
Transmitter Loop Power Supply:	24 DCV
Power Supply:	120 ACV, 240 ACV, or 24 DCV
Temperature Range:	-20 °F to +170 °F (-30 °C to 80 °C)
Housing Rating:	Classes 1 & 2, Divisions 1 & 2, Groups B, C, D, E, F, G
Action:	Direct or reverse fail-safe

Model Numbering System



REQUIRED ORDERING INFORMATION:

- Detailed model number
- Tag or nameplate detail (if required)
- Documentation & /testing packages (if required, refer to page Additional Resources)