

Model XT

Advanced Electronic Controller



The XT advanced electronic controller is available for single control valve operation. The XT can be configured to the Fleck® 2510, 2750, 2850, 2850s, 2900, 3150, 3900, 9000, 9100 and 9500 valves.

In Time Clock Delay mode, the XT will display the number of days until the next scheduled regeneration. Some meter delated types will display the colume remaning (SRV) minus the reserve. Once the volume remaining is zero, the display will start counting down the reserve volume and queue (RGQ) regeneration.

Features

- Time of day backup for up to 12 hours of power loss
- Calculating Reserves:
 - Daily Variable - adjusts reserve based on previous day's water usage*
 - Day of Week - adjusts reserve for each day of the week based on an average of the last three weeks*
- LED Status Indicator:
 - Blue: In Service*
 - Green: In Regeneration*
 - Red: Error with codes*
- New shift key (left arrow) for digit selecting, allows faster programming
- 2 Line/16 character LCD backlit display
- Defaults for all valve, piston, and cam types are stored
- Diagnostics:
 - Current Flow Rate*
 - Peak Flow Rate (can be reset)*
 - Totalizer (can be reset)*
 - Hours between Last two Regenerations*
 - Hours between Last Regeneration*
 - Volume Remaining (Adjustable)*
 - Precious Days Usage*
 - Reserve Volume*
 - Software Version*
- Uses same mounting hardware and cable harness as the 3200NXT and 3214NXT
- Easy installation with plug-in wiring harnesses

Options

- Programmable auxiliary relay output:
 - Dry contact Relay (fused at 3 amps)
 - Program entire Regeneration
 - Two programmable time windows during regeneration
- Remote Lock
- Programmable for Fleck® or generic meters

System Type

Meter Delayed Weekly Reserve	Single Valve
Meter Delayed Variable Reserve	Single Valve
Meter Delayed Fixed Reserve	Single Valve
Meter Immediate	Single Valve
Remote Signal Start Delayed	Single Valve
Remote Signal Start Immediate	Single Valve
Time Clock Delayed	Single Valve
Twin Tank	Single Valve
Volume Override Delayed	Single Valve
Volume Override Immediate	Single Valve

Regenerant Flow

Downflow, Upflow Variable Fill, Upflow Brine First, Downflow DB BW, Upflow Backwash, Backwash Filter

Valve Type

2510, 2750, 2850, 2850s, 2900, 3150, 3900, 9000, 9100, & 9500

Generic Meter Guidelines

Meter power supply is +19V DC, up to 10 mA. 01-150 pulses per gallon/liter output. Open collector output, board will sink up to 10mA at 5V DC. Pulse rate generated must not exceed 100 pulses per second (100 Hz) or 6,000 pulses per minute

Electrical Rating

24V Pentair transformers:
 115V AC +/- input, 24V AC output
 230V AC +/- input, 24V AC output

Humidity

95% RH, Non-condensing

Two Programming Levels

User Mode:

Water Hardness
 Regeneration Day Override
 Regeneration Time

Master Programming:

System Type
 Valve Type
 Regenerant Flow
 Display Format
 Unit Capacity
 Capacity Safety Factor
 Water Hardness
 Regeneration Day Override
 Regeneration Time
 Cycle Steps
 Auxiliary Relay Outputs
 Flow Meter Sizes