

# TECHNICAL SHEET

FLECK  
ELECTRONIC  
CONTROLLER NXT2





## FLECK ELECTRONIC CONTROLLER NXT2

### TECHNICAL CHARACTERISTICS

- Can be used on 2750, 2850, 2910, 3150 & 3900 valves
- On-screen multilingual support: English, Français, Deutsch, Italiano, Español, Nederlands, Português
- Time of day super capacitor backup for 12-hour power loss
- 2 to 4 line scrolling text OLED display, high contrast easy to read in low light conditions and at a distance
- Full functional user interface with easy programming allowing forward and backwards menu navigation
- Network two to eight valves via CAT5 or better cables
- LED Status Indicator
  - Blue: In Service
  - Flashing Blue: Regeneration Queued
  - Green: Regeneration
  - Flashing Green: Standby
  - Red: Error condition present
- Two Programmable Auxiliary relay outputs
  - Time-based
  - Volume based (Chemical pump)
  - Alarm-based
  - Cycle-based
  - Standby
- Remote input
  - Remote Lockout
  - Remote Regeneration
- Easy installation with plug-in wiring harnesses
- Assistance Name and Phone Number contact fields
- Error Log History
- Water Usage Daily (up to 13 weeks)
- Push Settings
- Capacitive Touch buttons
- Two Regeneration Lockout Windows
- Reset to factory default settings or from savable custom settings
- Full calendar display
- Master Programming Lockout
  - Code-based
  - Time-based
  - Delayed
- Icons for easy system status identification
- Dynamic network addressing
- Diagnostics
  - Real-time Flow Rate
  - Peak Flow Rate (can be reset)
  - Totalizer (can be reset)
  - Reserve Capacity
  - Use Since Last Regeneration
  - Last Regeneration
  - Identifiable Software Version
  - Total Number of Regenerations
  - Regeneration Interval
  - Last Settings Change
  - Error Log History
  - Average Daily Usage (per weekday, 3 month history)



## SPECIFICATION

SYSTEM	SYSTEM DESCRIPTION	NUMBER OF TANKS/CONTROLS	TYPE
4	Single Unit	1	Time Clock: No Meter Immediate: One Meter Delayed: One Meter Remote: No Meter
5	Interlocked	From 2 up to 8	Immediate: All Meters Remote: No Meter
6	Series Regeneration	From 2 up to 8	Immediate: One Meter Delayed: One Meter Remote: No Meter
7	Twin Alternating	2	Immediate: One Meter Remote: No Meter
6	Alternating Delayed	2	Immediate Transfer, Delayed Regeneration
9	Multiple Tank Alternating	From 2 up to 8	Immediate: All Meters Remote: No Meter
14	Demand Recall	From 2 up to 8	Immediate: All Meters

## REGENERATION TYPES

Meter Delayed Fixed Reserve	Downflow
Meter Immediate	Upflow Fill First
Remote Signal Start Immediate	Upflow Brine First
Time Clock Delayed	

## GENERIC METER GUIDELINES

Open collector output

Pulse rate generated must not exceed 100 pulses per second (100 Hz) or 6000 pulses per minute. Support for meter outputs in the range of 1 - 255 liters for every 1 - 255 pulses.

Example: 250 liters / 100 pulses (= 25 liters / 10 pulses, = 2.5 liters / 1 pulse)

Hall effect meter operates at 5 VDC

## CONTROLLER SPECIFICATION

Operating temperature range	1 - 50 °C
Electrical rating	24V DC Power Supplies 100V-240V AC input; 24V DC output

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