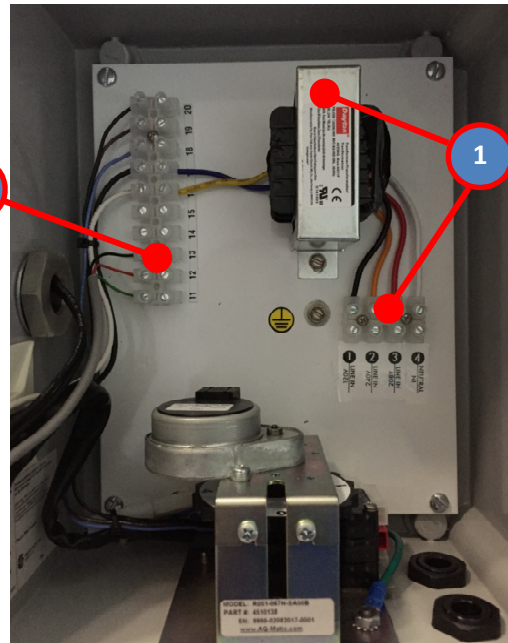


June 20, 2017

## PERFORMANCE BULLETIN 101

### NXT Stager Control Update

The NXT Stager Control will be updated with a few new features and options as shown below. These changes will become available in June 2017.



#### 1 Internal Transformer

A transformer accepting either 115V, 208V, or 240V 50/60Hz input voltages will be mounted inside the enclosure. This transformer will be pre-wired to the circuit board allowing the installer to simply run line voltage into a terminal strip within the enclosure. The Class 2 transformer is rated at 40VA with a wide range of certifications including UL, cUL, and CE. This change will eliminate the need for a bulky external transformer and expand the application scope to a wider range of voltage inputs.

#### 2 Meter Cable Input to Terminal Strip

The meter cable connection on the circuit board will be wired to terminals 11 (Signal), 12 (+VDC), 13 (Ground). This change will make it easier to connect a wide range of hall effect (open collector, or pulse style) meters. See manual for how to wire various meters commonly used.



AQ Matic Valve & Controls Company, Inc.

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**3. Model Number and Master Chart Updates**

As a result of the above updates, the NXT Stager Control master chart and model numbers have been modified. Now the Transformer digit will be denoted with the letter “T” indicating inclusion of the transformer. See attached NXT Master Chart Revision B for details.

**4. Operations and Instruction Manual Updates**

The NXT Stager Control manual has been updated to show the above modifications.

Pricing will remain unchanged from previous versions which included a transformer.

# NXT ELECTRONIC STAGER CONTROLLER MASTER CHART

FILL IN PROPER DESIGNATIONS TO DETERMINE PRODUCT NUMBER:

N X - - - - T - S - - - - B

**CONTROLLER**    Electronic Controller Series to be Provided  
 NX = NXT Stager Control

**STAGER & PROGRAM**    Rotary Pilot Stager to be Provided  
 48-00 = Softener or Filter, 6 Port (Brass)  
 51-06 = Softener, Timed Brine Draw & Fill, 8 Port (Brass)  
 51-10 = Two Tank Filter w/ Sequential Regeneration, 8 Port (Brass)  
 51-S0 = Softener, N.O. In/Out, N.C. All other valves, 8 Port (Brass)

**COMM CABLE**    CAT 6 Communication Cable to be Provided  
 0 = Less Communication Cable  
 1 = With 25 ft (7.6 m) CAT 6 Communication Cable  
*This cable used to connect up to 4 NXT Stager Controls*  
*One less cable is required than number of controls in system*

**TRANSFORMER**    Electrical transformer to be Provided  
 0 = Less transformer (*Customer must supply 24VAC to controller*)  
 T = Transformer Mounted Inside Enclosure; 24VAC, 40 VA Output  
 Accepts 115V, 208V, or 240V 50/60 Hz Input Voltages

**1<sup>st</sup> AUX. SWITCH**    First Extra Switch to be provided on Rotary Pilot Stager  
 S = SERVICE Return (Homing) on all NXT Stager Controls

**2<sup>nd</sup> AUX. SWITCH**    Second Extra Switch to be provided on Rotary Pilot Stager  
 0 = NONE  
 \*A to R = CAM POSITION Switch is to be active (I & O not used)  
 1 = 51-10 Stager with Notch in both Backwash Positions  
 2 = 51-10 Stager with Notch in both Rinse Positions  
 \* Use a Letter to indicate Cam position Not a Number.

**PRESSURE**    Program of Stager  
 0 = STANDARD (Vent to open)  
 1 = INVERTED (Pressure to open)

**SOLENOID**    Used to keep a tank in stand-by position  
 0 = NONE  
 S = Solenoid included  
*Only Used for systems:*  
*Twin Alternating System 7*  
*Multiple Tank Alternating System 9*  
*Demand Recall (Progressive Flow) System 14*

**STAGER REVISION**  
 B = 48 and 51 Series Stagers

REV	ECO DESCRIPTION	BY/DATE
A	Initial Release	J. Josetti
B	Transformer Update	J. Josetti 23-May-17