AQUAMATIC® 48ES AND 51ES SERIES COMMERCIAL STAGER CONTROLLERS

FULL-FUNCTION PROGRAMMING WITH CAPABILITY TO LINK MULTIPLE STAGERS

FEATURES/BENEFITS

LED Status Indicator
- Solid Blue: In Service
- Flashing Blue: Regen Queued
- Solid Green: Regen
- Flashing Green: Standby
- Solid Red: Error

Auxiliary inputs and outputs
- Remote signal start input (certain system types)
- Remote Lockout Input
- Programmable relay output/chemical pump output

Front panel diagnostics button
- Flow rate
- Peak flow rate
- Totalizer
- Hours between last two regenerations
- Hours since last regeneration
- Adjustable volume remaining
- Valve position
- Software version

2x16 character backlit LCD display
Networks up to four stagers
Field-configurable for system types
Time of day can be automatically copied to the remaining controllers
Can be used simultaneously with time clock, meter immediate, or meter delayed regeneration types
Allows monitoring of flow and volume information in remote signal start applications
Control and stager automatically synchronize to the service position
Accepts input from a variety of flow sensors
During a power outage, critical operating information is stored in memory
Programmable regeneration types for increased flexibility
Reserve is fixed at a programmable percentage of the total capacity
Easy installation with plug-in wiring harnesses

OPTIONS

3-way universal solenoid installed
Auxiliary micro switch cam with signal in service or backwash
SPECIFICATIONS

NXT GENERIC METER GUIDELINES

Open collector output

Pulse rate generated must not exceed 100 pulses per second (100 Hz), or 6,000 pulses per minute

Support for meter outputs in the range of 1-255 gallons (25.5 m³) for every 1-255 pulses

Example: 35 gallons/100 pulses (= 3.5 gallons/10 pulses, = 0.35 gallons/1 pulse)

Meter must operate at 5 VDC

ELECTRICAL RATING

24V AC Transformers
115V AC +/- 20% input
24V AC output w/40V A

230V AC +/- 20% input
24V AC output w/108V A

HUMIDITY

95% RH, non-condensing

NXT

<table>
<thead>
<tr>
<th>SYSTEM #</th>
<th>SYSTEM DESCRIPTION</th>
<th>STAGERS</th>
<th>TYPE</th>
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</thead>
<tbody>
<tr>
<td>4</td>
<td>Single Unit</td>
<td>1</td>
<td>Time Clock: No Meter Immediate: One Meter Delayed: One Meter Remote: No Meter</td>
</tr>
<tr>
<td>5</td>
<td>Interlocked</td>
<td>2, 3, 4</td>
<td>Immediate: All Meters Remote: No Meter</td>
</tr>
<tr>
<td>6</td>
<td>Series</td>
<td>2, 3, 4</td>
<td>Immediate: One Meter Delayed: One Meter Remote: No Meter</td>
</tr>
<tr>
<td>7</td>
<td>Alternating</td>
<td>2</td>
<td>Immediate: One Meter Remote: No Meter</td>
</tr>
<tr>
<td>9</td>
<td>Alternating</td>
<td>2, 3, 4</td>
<td>Immediate: All Meters Remote: No Meter</td>
</tr>
<tr>
<td>14</td>
<td>Demand Flow</td>
<td>2, 3, 4</td>
<td>Immediate: All Meters</td>
</tr>
</tbody>
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Lenntech

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