

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

NXT

SYSTEM #	SYSTEM DESCRIPTION	STAGERS	TYPE
4	Single Unit	1	Time Clock: No Meter Immediate: One Meter Delayed: One Meter Remote: No Meter
5	Interlocked	2, 3, 4	Immediate: All Meters Remote: No Meter
6	Series	2, 3, 4	Immediate: One Meter Delayed: One Meter Remote: No Meter
7	Alternating	2	Immediate: One Meter Remote: No Meter
9	Alternating	2, 3, 4	Immediate: All Meters Remote: No Meter
14	Demand Flow	2, 3, 4	Immediate: All Meters

ELECTRICAL RATING

24V AC Transformers

115V AC +/- 20% input

230V AC +/- 20% input

24V AC output w/40V A

24V AC output w/108V A

HUMIDITY

95% RH, non-condensing



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