Series R

MicroTron Relay Output Chemical Metering Pump

Pump and Controller Together In One Unit

Key Features

- Microprocessor Controlled
- Control Relay Output
- NEMA 4X Style Enclosure
- Splash Cover Over Controls
- Guided Double Ball Checks
- LED Indicating Lights
- LCD Backlit Display
- Widest Turn Down Capability
- Thermal Overload Protection
- Priming Valve Standard

Application

MicroTron Series R pumps combine chemical metering and a control relay output function in one simple unit. The Model R pump controller combination provides the lowest cost package system for a wide variety of water treatment applications.

Model R pumps may be ordered in the following configurations:

- Conductivity Control
- Conductivity Control with Feed Timer
- Conductivity Control with Biocide Timer
- Dual Pulse Timers
- Dual 28-day Biocide Timers
- Dual Sequential Percent Timers
- pH Control
- ORP Control
Build a Model

Model R__-__-__-__

Build your model number by selecting one code from each step. Example: RD30X1-KVC1

STEP 1...........RELAY CONTROL FUNCTION
C = Conductivity Feed and Bleed
D = Conductivity Bleed with Selectable Feed Timer
P = pH Control with Alarm Relay
O = ORP Control with Alarm Relay
T = Dual Selectable Timers (Pulse, %, 28-Day)

STEP 2............OUTPUT (MAXIMUM)
15 = 15 GPD / 2.37 LPH at 150 PSI (10.3 bar)
30 = 30 GPD / 4.70 LPH at 110 PSI (7.5 bar)
45 = 45 GPD / 7.09 LPH at 75 PSI (5.1 bar)
17 = 17 GPD / 2.60 LPH at 250 PSI (17.2 bar)

STEP 3.............STOP FUNCTION
X = Standard
D = Auto Stop Input with 8’ Cord
E = Flow Switch Assembly with 8’ Cord
G = Flow Switch Only with 8’ Cord

STEP 4..................VOLTAGE
1 = 120 Volt USA Plug
2 = 240 Volt
3 = 240 Volt Specified Plug

STEP 5.................HEAD MATERIAL
K = Kynar
M = Kynar head w/ SS valve bodies *
S = Stainless *

STEP 6..................SEAT MATERIAL
V = Viton
F = Teflon
H = Hypalon

STEP 7..................CHECK BALL
C = Ceramic
D = Ceramic/single on discharge (pressure relief)
S = Stainless

STEP 8..................CONNECTIONS
1 = 3/8” (9.525 mm) Tubing - 75-200 PSI
2 = 1/4” (6.35 mm) Tubing - 250 PSI
P = 1/4” (6.35 mm) MNPT Connections
V = 3/8” (9.525 mm) Vinyl Suction Tubing - 110 or 250 PSI

For other options, see Price List or consult factory.

* Note: M & S head material selections must have the P connection option and do not include a foot and injection valve or tubing.

Specifications

Electrical
- Input: 120 VAC or 250 VAC @ 50/60 Hz
- Output: Relay rated to 5 amp

Operational
- Display: 16 character LCD backlit
- Stroke length: Manual adjustment
- Speed frequency: 1 to 7500 strokes/hour
- Conductivity scale: 0-5,000 µS
- pH scale: 2-12 pH units
- ORP scale: 0 to 1000 mV
- Accuracy: +/- 1% of scale

Optional Timers
- Pulse: 0-10 min, 0-59 sec w/ accumulator
- Limit: 0-90 minutes
- Post Bleed: 0-99% w/ limit (RD only)
- Percent: 0-99% of 10-30 minutes
- Biocide: 28-Day

Enclosure
Heavy duty NEMA 4X style high impact thermoplastic with clear lexan cover.

Environment
- Max temperature 140°F (60°C)
- Relative humidity 0 to 100%

Shipping Weight: Approx. 10 lbs. (4.536 kg)

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