

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 1RELAY 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 2OUTPUT (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 200 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 6SEAT MATERIAL

- V = Viton
- F = Teflon
- H = Hypalon

STEP 7 CHECK BALL

- C = Ceramic
- D = Ceramic/single on discharge (pressure relief)
- S = Stainless

STEP 8CONNECTIONS

- 1 = 3/8" (9.525 mm) Tubing - 75-200 PSI
- 2 = 1/4" (6.35 mm) Tubing - 200 PSI
- P = 1/4" (6.35 mm) MNPT Connections
- U = 3/8" black UV tubing, 200 PSI
- V = 3/8" tubing w/clear suction, 200 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 μ S
- **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

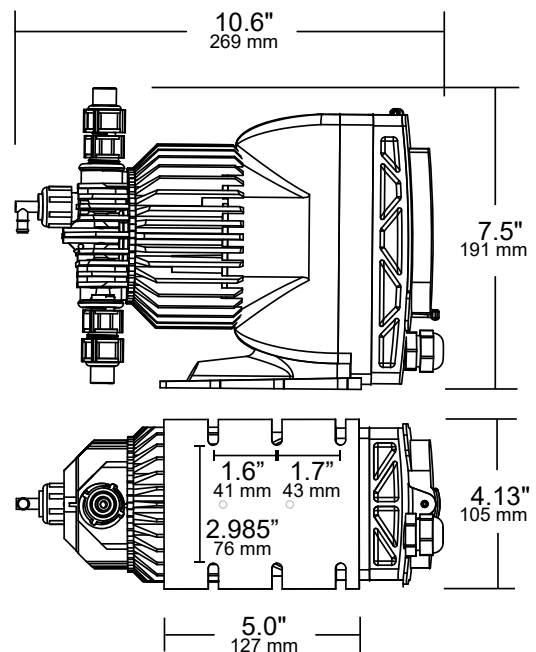
Enclosure

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)



Kynar Head Shown

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