

# MicroVision

## Cooling Tower Controller



### MicroVision Conductivity Cooling Tower Controller

Standard with Toroidal Sensor Technology!

The **MicroVision** is a microprocessor-based conductivity controller with selectable timer and dual biocide control. Designed specifically for cooling tower applications, **MicroVision** comes standard with the features and functions you need for accurate monitoring and control of cooling tower water. The **MicroVision** is a full function controller in a compact package that won't break your budget! Check out these features:

- Toroidal conductivity sensor
- Large graphical display with large, easy to read font
- Simple four button user interface
- Compact size
- Selectable timer (limit, %, % post bleed, and water meter)
- Dry contact/Hall Effect water meter input
- Dual biocide with pre-bleed, lockout, inhibitor interface, and four programmable start times per biocide
- Flow switch input
- (3) drum level inputs
- 4-20 mA isolated analog output
- Dry contact alarm output
- Agency approved
- NEMA 4X enclosure
- Battery backup



### Operating Benefits

- **Easy to use.** Simple user interface and large graphical display means easy and intuitive set-up and programming.
- **No need to recalibrate.** **MicroVision's** toroidal sensor technology saves you valuable service time and money by eliminating routine calibrations.
- **Reduced potential for fouling.** By design, the **MicroVision** toroidal sensor has no exposed electrodes, which means that there is nothing to wear out or foul.
- **Easy installation.** With pre-wiring and panel mount options, installation is quick and easy.
- 2 year warranty
- Large range: 0 – 9,999  $\mu$ S
- Compact size saves space and reduces freight costs

technology  
innovation  
water-  
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# MicroVision Model Selection

<b>MicroVision Selection Guide</b>		MVS	-	-	-	XXX
<b>PRODUCT DESIGNATOR</b> <small>Position 1, 2 &amp; 3</small>	MVS = <i>MicroVision</i> Toroidal Conductivity Cooling Tower Controller					
<b>VOLTAGE</b> <small>Position 4</small>	1 = 115 volt 2 = 230 volt (no prewired power cord or relays available)					
<b>RELAY &amp; POWER WIRING</b> <small>Position 5</small>	P = Prewired w/Power Cord and Pigtails for 115 VAC X = Liquid Tite connections only (required for 230VAC)					
<b>PANEL</b> <small>Position 6</small>	X = No panel or Flow Assembly F = Standard Flow Assembly (No Panel) A = Standard Panel & Flow Assembly B = Deluxe Panel & Flow Assy, 1 Pump Mount, in/out ball valves, strainer, inj tee & rails C = Deluxe Panel & Flow Assy, 2 Pump Mounts, in/out ball valves, strainer, inj tees & rails D = Deluxe Panel & Flow Assy, 3 Pump Mounts, in/out ball valves, strainer, inj tees & rails					
<b>SUFFIX CODE</b> <small>Position 7, 8 &amp; 9</small>	XXX = Suffix Code					

## MicroVision Specifications

### Controller Specifications

Enclosure	NEMA 4X / IP65
Dimensions	4.73" x 2.28" x 3.15" (120 x 58 x 80 mm)
Power supply	120VAC / 5A or 230 VAC / 5A
Control Output	2 amps per relay
Display	LCD
Set Point range	0 - 9,999 $\mu$ S

### Sensor Specifications

Maximum Temperature	125°F (52°C)
Temperature Compensation Range	32 - 125°F (0 - 52°C)
Maximum Pressure	125 psi (8.6 BAR)
Sensor Type	Toroidal
Cable Length, maximum	15' (4.5 m)
Materials of Construction	Virgin polypropylene



An ISO Certified Company



A Unit of IDEX Corporation

#### Standard Product Operations

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