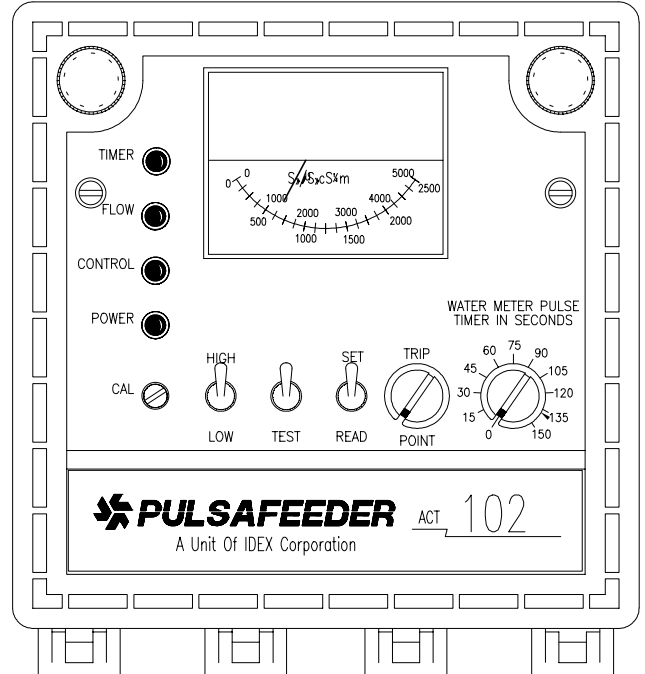


# ACT Cooling Tower Controller Series

Controllers from ACT series continuously protect cooling systems from the harmful effects of scaling and corrosion. They are designed using the latest technology with modular circuit boards. These units are accurate and easy to use. This simplified design provides automated control at an economical cost. The ACT series provides electrical receptacle cords as standard for blown down valve and metering pump activation.

## Key Features:

- Front Panel Calibration
- Front Panel Dial Set-Point
- Conductivity Range 0-5,000  $\mu\text{S}$
- Blow Down and or Metering Pump Indicator LED
- Relay Test Switch
- Power Indicator LED
- Pre-Wired Output Connections (Conduit Optional)
- Weather-Tight Enclosure Designed to NEMA 4X
- Wall Mountable



**Note: Controller Shown is ACT 102**

## Selections

STANDARD FEATURES	
<i>ACT Series</i>	
<b>50</b>	Dial Conductivity Controller 0-5,000 $\mu\text{S}/\text{cm}$
<b>101</b>	Dial Conductivity Controller Selectable Dual Scale 0-2,500 and 0-5,000 $\mu\text{S}/\text{cm}$
<b>102</b>	Analog Meter Conductivity Controller Selectable Dual Scale 0-2,500 and 0-5,000 $\mu\text{S}/\text{cm}$

## Options

		SERIES
<b>A</b>	Conduit	50/101/102
<b>B</b>	Flow Assembly	101/102
<b>C</b>	Lockout Timer (0-90 minutes)	101/102
<b>D</b>	Pulse Timer (0-150 seconds)	101/102
<b>E</b>	Percent Timer	101/102
<b>I</b>	0-2500 $\mu\text{S}/\text{cm}$	50 only
<b>M</b>	4-20 mA Isolated Output	101/102
<b>P</b>	220 VAC @ 50/60 Hz Service (Requires Option A)	50/101/102
<b>W</b>	Private Label	50/101/102

## Specifications

FEATURES/CONTROLLERS	ACT-50	ACT-101	ACT-102
Enclosure	Nema 4X	Nema 4X	Nema 4X
Power Requirements	110 VAC @ 50/60 Hz	110 VAC @ 50/60 Hz	110 VAC @ 50/60 Hz
Optional Power	220 VAC @ 50/60 Hz	220 VAC @ 50/60 Hz	220 VAC @ 50/60 Hz
Display	Dial	Dial	Analog Meter
Range	0-5,000 $\mu$ S/cm 0-2,500 $\mu$ S/cm (optional)	Dual Scale 0-2,500 & 0-5,000 $\mu$ S/cm	Dual Scale 0-2,500 & 0-5,000 $\mu$ S/cm
Differential	Approximately 6%	Approximately 6%	Approximately 6%
Control Output	5 amp Relay @ 120 VAC Receptacle Cords Provided for Outputs	5 amp Relay @ 120 VAC Receptacle Cords Provided for Outputs	5 amp Relay @ 120 VAC Receptacle Cords Provided for Outputs
Accuracy	+/- 2% full scale at point of measure excluding sensor	+/- 2% full scale at point of measure excluding sensor	+/- 2% full scale at point of measure excluding sensor
Electrode	3/4 inch Flow Cell with Temp Comp 316 S.S. Electrode rated 125 psi @ 125° F (8.62 BAR @ 52° C)	3/4 inch Flow Cell with Temp Comp 316 S.S. Electrode rated 125 psi @ 125° F (8.62 BAR @ 52° C)	3/4 inch Flow Cell with Temp Comp 316 S.S. Electrode rated 125 psi @ 125° F (8.62 BAR @ 52° C)
Optional Flow Switch	N/A	3/4 Flow Switch Assembly	3/4 Flow Switch Assembly
Plumbing	N/A	OPTIONAL: Glass Filled Polypropylene with clear PVC flow switch. Slip or 3/4" FNPT Threaded	OPTIONAL: Glass Filled Polypropylene with clear PVC flow switch. Slip or 3/4" FNPT Threaded
Electronic Environment	0 - 125° F (-18 - 52° C) 100% Humidity	0 - 125° F (-18 - 52° C) 100% Humidity	0 - 125° F (-18 - 52° C) 100% Humidity
Shipping Weight	8 lbs. (3.7kgs)	8 lbs. (3.7kgs)	8 lbs. (3.7kgs)
Controller Dimensions	7.00 in. x 7.00 in. x 6.62 in. 17.78cm x 17.78cm x 16.81cm	7.00 in. x 7.00 in. x 6.62 in. 17.78cm x 17.78cm x 16.81cm	7.00 in. x 7.00 in. x 6.62 in. 17.78cm x 17.78cm x 16.81cm

