

# Cooling Tower Control

## AQUATRAC multiFLEX M10T

Experts in Chem-Feed and Water Treatment



The Aquatrac multiFLEX M10T is a water treatment controller that provides the latest in water management technology. Packed with features, the multiFLEX line of products are designed to provide the highest degree of control and flexibility.

### Powerful Features

- Control up to 4 Towers at once\*
- Web Browser Accessible
- LAN Accessible
- Up to 14 Analog Inputs and Outputs
- Twelve Digital Inputs
- Ten Relay Outputs
- Works with Trackster 3 Software

\*depending on controller configuration

### Easy to Use

- 5-Key Universal Keypad
- 4 Line, 20 Character Backlit Display
- Easily Upgradeable with Plug-in Modules
- Fully Programmable
- Flexibility Allows You To Combine Multiple Boilers and Cooling Towers in One Controller
- Built in Ethernet with user definable static IP address

### Compact Design

- NEMA4X, IP65 Fiberglass Enclosure with Dual Locking Latches
- 120 or 240VAC 50/60Hz, Switch Selectable
- CSA / CE / UL Rated



**AQUATRAC multiFLEX M10T**  
options and identcode

**AQUATRAC™**  
INSTRUMENTS, INC.

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	Rating—Detail	Notes
<b>Analog—Digital I/O</b>		
Analog Inputs	14 Analog Sensors	Auto-configuration on driver installation & removal
4-20mA Outputs (optional)	DC Isolated, Loop Powered	Controller accepts from 0 to 8 analog outputs
Digital Inputs	12	User configurable as water meters or contact sets
Relay Outputs	10, 2 SPST, 8 SPDT	Fused in sets of 5 relays
Alarm Relay	Dry Contact set, un-fused	User selected NO or NC
<b>Communications User Interface</b>		
Keypad—LCD	5 Key Tactile Feedback, Universal Characters	Scan rate 100 mS nominal
	4 Line x 20 Character, Backlit	User adjustable contrast
10Base T, TCP/IP Ethernet LAN	HTML, Telnet Micro Web Server	Password, User ID protected
	User definable IP address & port	Browser shows controller in real time
Modem (optional)	56K, V.90 Remote Telnet Access	Dial-out on alarms to pager or PC
Data Logging	600 Entries for each 26 inputs & 10 relays, Stored in XML format	Adjustable from 5 Min to 1440 Minutes per Entry
<b>Controls</b>		
Relay ON/OFF	ON/OFF control	Any relay can be configured for any control
Proportional 4-20mA (optional)	User defined control set by sensor or relay control	Software ZERO & SPAN adjustments
Volumetric	User set, measure volume & pump on time	Sequential control, measures make-up volume then bleeds for user set volume
Captured Sample	Sample / Measure / Blowdown / Resample user set timing	Any sensor may be used
Interlocking	1 to 4 contact set inputs, AND & OR support	Relay OFF when contact set opens
Blocking	1 to 4 relays may block any other relay	Support for common Oxidant-Inhibitor feed
Alarms—Feed Limit Timers	Minutes per Actuation & Day	User defined on Feed Limit
Feed Verification (optional)	Ppm calculation based on volume feed & cycles of concentration	Fail to Feed is no volume counted after 30 seconds of pump ON time
<b>System</b>		
Electrical	120 / 240VAC, 50/60 Hz	Switch Selectable
Fusing	7.3 Amps @ 120VAC / 4.15 Amps @ 240 VAC	Relays Fused 1-5 & 6-10 6.3A ea. Logic fused @ 1A
Surge Suppression	Relays 2-5 & 7-10 NO Contacts snubbed @ 0.1uF	Controller Isolated from AC Line
Accessory Power	15-22VDC, Unregulated, thermally fused @ 200mA	
Enclosure	Non-Metallic, NEMA4X, IP65	11.5"W x 13.5"H x 7"D
<b>Certifications</b>		
CSA: 1523642	CSA tested to comply with CE	CSA tested to comply with UL 61010C-1

CO	Conductivity Control & Selectable Inhibitor Feed
PH	pH Controller, Acid and Caustic Feed
CP	Conductivity & pH Control, Selectable Inhibitor Feed
PH2	Dual pH Controller, Dual Acid and Caustic Feeds
CO2	Dual Conductivity Control & Dual Selectable Inhibitor Feed
CP2	Dual Conductivity & pH Control, Selectable Inhibitor Feeds
OX	ORP Controller, Oxidizing Biocide Control
T1,T2	Single or Dual Biocide Timer with Lockout & Pre-bleed with Plug Receptacle.
TF	Thermal Flow Switch
OR	ORP Control with time window selection
XP	Extra pH Control with Acid Feed
L1, L2, L3	Continuous liquid level sensors
RC	Modem Communications with data logging
IC, IP, IO, IR	4-20mA Analog Output
FFP, FFO	pH / ORP Sensor upgrade to Flat Faced
TC10	Toroidal Cond Sensor, 0-10k
TC100	Toroidal Cond Sensor, 0-100k
CR/CS	Corr Rate, Carbon Steel
CX	Make-up Cond
II#	4-20mA Inputs
EU	European Ver

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Demo IP Address: 66.146.13.207

literature pn: 7750302