

MPT Programmable Controller Series

Controllers from PULSAtrol® MPT series continuously regulate the amount of chemicals added to a system, for savings of costly chemicals and time. They are designed using advanced microprocessor technology and the latest in surface mount assembly techniques. The result is amazing versatility in a compact, reasonably priced controller package. The units are simple to program using the clearly labeled keypad and the bright alphanumeric display. Select from an array of timers --- biocide, pulse, limit and percentage. And PULSAtrol's distinctive receptacle cords make easy to connect any electrical device being controlled.

Key Features:

- A high resolution 10 bit A/D converter for greater accuracy.
- Fully isolated differential inputs for all circuits help prevent the possibility of ground loops.
- Keypad activated hand/off/auto control of all relay outputs.
- Modular hardware and software for easy access and servicing.
- A prewired NEMA type 4X enclosure for protection from harsh environments.

Options*

The MPT series controllers offer a wide range of additional options to help you select the proper controller for your specific needs. Conduit connections are available where hard wiring is preferred and is required for 220VAC service. The optional mounted flow assembly is used to interrupt the controllers outputs when there is less than 1 GPM of flow.

The selectable timer is an available option allowing chemicals to be dosed by any one of the following: percent, pulse with accumulator, percent post blow down, or a limit timer. An alarm output relay is available to provide an A/C output to an alarm device such as a strobe light or warning siren. Additionally, an alarm dry contact is also available to send an alarm signal to integral building management systems or other controls.

Biological growth can be easily controlled using the optional 28-day biocide timer; this timer is available as a single, dual, or even triple biocide control.

The PULSAworks® serial line communication option can be ordered with or without an internal modem. These unique features allow for the user to monitor and change the system parameters directly or from a remote location. Data history time stamps are stored at user defined intervals between 1 and 120 minutes. Up to 372 time stamps can be stored before the controller begins to overwrite the existing data. These data history time stamps can then be displayed in chart or tabular format.

*For additional information about PULSAtrol Models and available options see the Water Treatment List Price Schedule.



Series 300

technology
innovation diversity
excellence

PULSA[®] MPT Controller Series Specifications

Model Selections

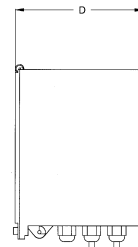
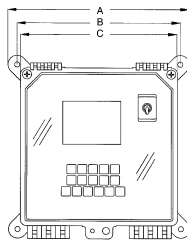
STANDARD FEATURES		AVAILABLE FOR OPTIONS					
		analog in	digital in	analog out	dry contact	relay out	serial comm
110	28 day biocide timer with 24 hour bleed lockout	0	1	0	1	1	0
120	28 day dual biocide timer with 24 hour bleed lockout	0	1	0	1	0	0
150	Single selectable: Percent, limit, pulse with accumulator	0	0	0	1	1	0
210	28 day biocide timer with 24 hour bleed lockout	0	2	0	1	2	1
220	28 day dual biocide timer with 24 hour bleed lockout	0	2	0	1	1	1
250	Dual selectable: Percent, limit, pulse with accumulator	0	0	0	1	2	1
320	28 day dual biocide timer with 24 hour bleed lockout	0	3	0	1	3	1
350	Triple selectable: Percent, limit, pulse with accumulator	0	0	0	1	3	1

Model Specifications

FEATURES/CONTROLLERS	SERIES 100	SERIES 200	SERIES 300
Enclosure	Nema 4X - High Impact Resistant PVC	Nema 4X - High Impact Resistant Polystyrene	Nema 4X - High Impact Resistant Polystyrene
Power Requirements	90 - 250 VAC @ 50/60 Hz, 100 VA	90 - 250 VAC @ 50/60 Hz, 100 VA	90 - 250 VAC @ 50/60 Hz, 100 VA
Control Output	Line Voltage @ 600 VA Per Relay (5 amps @ 120 VAC)	Line Voltage @ 600 VA Per Relay (5 amps @ 120 VAC)	Line Voltage @ 600 VA Per Relay (5 amps @ 120 VAC)
Display	1 X 8 Alpha Numeric, Lighted Display	2 X 16 Alpha Numeric, Back Lit Display	64 X 128 Pixels Dot Matrix, Back Lit Graphics Display
Recessed Front Panel Power Switch	N/A	Standard	Standard
Lockable Viewing Window	N/A	Standard	Standard
Hi/Lo Alarm Indicator	Standard	Standard	Standard
10 Bit A/D resolution	Standard	Standard	Standard
Front Panel H/O/A Control	Standard	Standard	Standard
Digital Inputs	One	Two	Three
Alarm Dry Contacts	One	One	One
Relay Outputs	Three	Four	Six
Timers	Programmable	Programmable	Programmable
Security Code	N/A	Standard	Standard
Maximum Pressure of Standard Flow Assembly	200 PSI @ 70° F 125 PSI @ 125° F 8.62 Bars @ 52° C	200 PSI @ 70° F 125 PSI @ 125° F 8.62 Bars @ 52° C	200 PSI @ 70° F 125 PSI @ 125° F 8.62 Bars @ 52° C
Standard Plumbing	Glass Filled Polypropylene (GFPP) Slip or Threaded	Glass Filled Polypropylene (GFPP) Slip or Threaded	Glass Filled Polypropylene (GFPP) Slip or Threaded
Electronic Environment	0 - 125° F -17.8 - 52° C 100% Humidity	0 - 125° F -17.8 - 52° C 100% Humidity	0 - 125° F -17.8 - 52° C 100% Humidity

Dimensions

DIMENSION	SERIES 100	SERIES 200	SERIES 300
A	7.00 in.(sq.) 17.78cm	10.00 in.(sq.) 25.40cm	10.00 in.(sq.) 25.40cm
B	6.00 in.(sq.) 15.24cm	8.99 in.(sq.) 22.83cm	8.99 in.(sq.) 22.00cm
C	5.75 in.(sq.) 14.60cm	8.66 in.(sq.) 22.00cm	8.66 in.(sq.) 22.00cm
D	6.50 in. 16.5cm	7.08 in. 17.98 cm	7.08 in. 17.98cm
Controller Weight	6 lbs. 2.5kgs	8 lbs. 3.7kgs	8 lbs. 3.7kgs
Shipping Weight	8 lbs. 3.7kgs	10 lbs. 4.6kgs	10 lbs. 4.6kgs



An ISO Certified Company



A Unit of IDEX Corporation

Standard Product Operations

27101 Airport Road • Punta Gorda, Florida 33982
 TEL (941) 575-3800 • TEL 800-333-6677
 FAX (941) 575-4085 • FAX 800-456-4085
 spottech@pulsa.com • www.pulsa.com