

Control-Mate

Proportional Adaptor



Proportional Control of Chemical Solution Feeders

Pulsafeeder's Control-Mate is an electronic interface which provides near-proportional control to any metering pump.

In water treatment systems, the Control-Mate allows a feed pump's run time to be triggered by the flow of water through a contacting water meter. As a specific volume of water passes through the meter, the Control-Mate signals the feed pump to run for a predetermined amount of time - 1.0 to 60 seconds - thereby establishing a fixed ratio of solution to water.

The Control-Mate is also valuable in systems that function in cycles or phases. When it is necessary to feed solution in conjunction with a valve opening or a pump starting, the Control-Mate and a relay switch activated by the pump or valve will signal the solution feeder to deliver a measured amount of chemical.

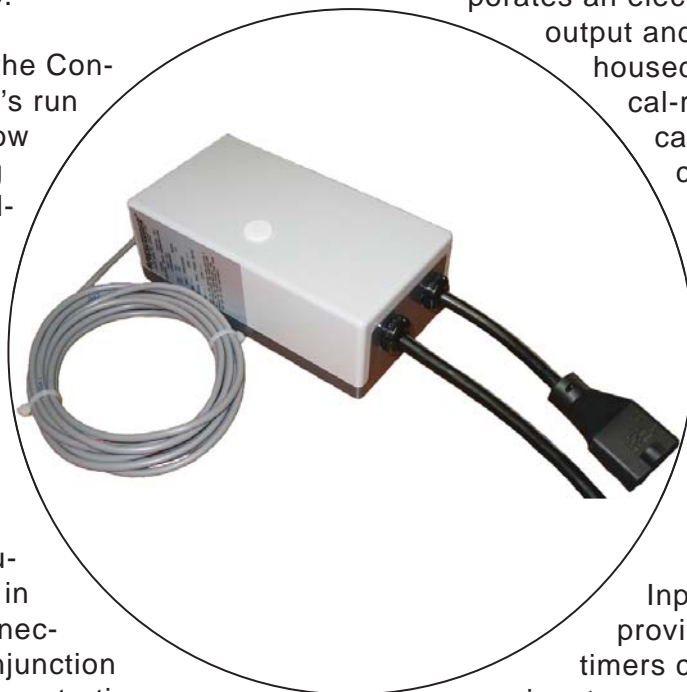
Once installed and calibrated, the Control-Mate requires no adjustment and no maintenance.

The Control-Mate direct proportional chemical feed with any contact-output water meter incorporates an electronic timer with relay output and a transformer, all housed in a compact, chemical-resistant polycarbonate case. A heavy duty power cable, and an instruction/operation manual are included.

Time Range: The duration of each pump run time, per trigger or signal, is set by adjusting the potentiometer located beneath the access plug in the case.

Input: The transformer provides low voltage to the timers circuitry and the trigger input, assuring safety during installation and operation.

Output: The Control-Mate employs electromechanical relay output control.



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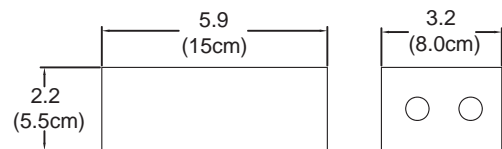
Typical Installation



Specifications

Time Range	
Minimum Run Time Per Signal	1.0 seconds
Maximum Run Time Per Signal	60 seconds
Repeatability	0.5% under fixed conditions
Reset Time	50 milliseconds max.
Minimum Trigger Duration	100 milliseconds
Input	
Voltage	96 to 144 VAC
Frequency	50 to 60 Hz
No Load Current	45 ma. ac. max.
Output	
Normal Mechanical Life	greater than 10 million operations
Maximum Device Load	10 ampere resistive at 120 VAC

Dimensions



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PULSAFEEDER®

A Unit of IDEX Corporation

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