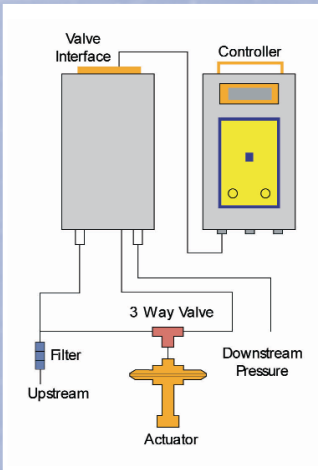


ControlMate-FM

Pressure Management System



Halma Water Management



Introduction

The ControlMate range enables the outlet pressure of a Pressure Reducing Valve (PRV) to be controlled reliably and safely.

ControlMate-FM allows the pressure into a zone to be continually adjusted to any desired value, which is intelligently calculated by the controller according to the

zone's actual demand (flow modulation) or according to a pre-programmed time of day.



Features

- Maximum potential water savings
- Improved level of service to consumers



- Continuously variable outlet pressure profiling
- Eliminates pressure “shocks” to system
 - reducing burst frequency
- Outlet pressure can be set remotely
 - no need to visit site
- Optimise profile according to demand or time (eg summer/winter)
- In-built pulse unit failure (zero flow) detection and automatic response
- Modular construction for ease of access to controls
- Fully compatible with Hydraulic Actuator
- GSM/SMS communication available
- No external power supply requirements. Powered by an internal battery with an expected operational life of over five years



For more information call +44 (0) 1633 489479
or visit www.hwm-water.com

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ControlMate-FM

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PRODUCT SPECIFICATION

ControlMate-FM

Display Type	2 line x 16 character backlit super-twist, fully potted
Communication & Programming	Local interface: Sealed local display, with 2 push-button switches
	Infra-red communication: Ultra-high speed 20kbaud link via I/R probe to standard RS232 port on PC
	Telemetry: Connector for multicomcommunication options: BABT-approved internal modem or multi-communication link for PAKNET, GSM, radio, etc.
	SMS/GSM communication available via ControllerCom add-on
Pressure Channel	Sensor type: Inbuilt transducers are 0-13bar and 0-17bar as standard but other ratings are available on special request. External transducer optional.
	Accuracy: Typically - 0.2% of full-scale range
	Pressure connection: Quick-fit nickelplated brass connector and push-fit 6mm connector
Flow Channel	Sensor type (pulse input): Solid state PD10, LRP, PSM or any other form of volt-free pulsed signal
	Input frequency: 0-100Hz pulse input, requiring minimum mark 4.9mS, minimum space 4.9mS
	Connector: 10-pin military specification, to IP68
Data Storage	Channels: 2 pressure + 1 flow (additional flow optional)
	Memory capacity: (120kbytes scrolling memory with storage for 60,000 values)
	Logging interval: 10s, 30s, 1min, 5min, 15min, 60min
	Sampling interval: As above but independent of logging interval
Power Source	Battery type: Fully-sealed internal lithium batteries with expected operating life of 5 years or more
Operating Environment	Temperature: -10°C to +50°C, must avoid freezing of water connections
Physical Characteristics	Construction: Modular two-part stainless steel box with handle
	Dimensions: 2 parts of 240mm x 120mm x 85mm
	Weight: 2 x 2,5kg
	Protection: to IP68, fully potted
Hydraulic Actuator	Refer to separate data sheet describing this item

HWM reserves the right to vary specifications without prior notice

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