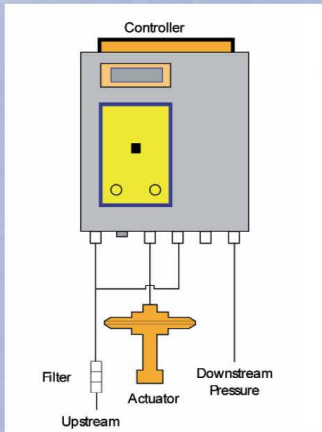


# ControlMate-2

## Pressure Management System



Halma Water Management



### Introduction

ControlMate-2 is a low cost controller that enables the pressure into a zone to be switched between two pre-set values ("low" and "high") according to the demand (flow rate) or the time of day.

This enables the Pressure Reducing Valve (PRV) to be controlled reliably and safely.



### Features

- Low cost unit
- Easy-to-use, self-contained
- Pressure management benefits realised cost-effectively, even in small zones

USER FRIENDLY DESIGN

REALTIME DATA

5 YEAR BATTERY LIFE

HIGH ACCURACY

- Immediate water savings, often simply on day/night setting
- Time and flow modulation capability
- In-built low pressure detection and automatic response
- In-built pulse unit failure (zero flow) detection and automatic response
- 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



HYDREKA



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FLOW MEASUREMENT

DATA LOGGING

LEAK DETECTION

PRESSURE MANAGEMENT

# ControlMate-2

## Pressure Management System



Halma Water Management

## PRODUCT SPECIFICATION

### ControlMate-2

<b>Display Type</b>	2 line x 16 character backlit super-twist, fully potted
<b>Communication &amp; Programming</b>	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
<b>Pressure Channel</b>	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
<b>Flow Channel</b>	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
<b>Data Storage</b>	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
<b>Power Source</b>	Battery type: Fully-sealed internal lithium batteries with expected operating life of 5 years or more
<b>Operating Environment</b>	Temperature: -10°C to +50°C, must avoid freezing of water connections
<b>Physical Characteristics</b>	Construction: Stainless steel box with handle
	Dimensions: 250mm x 190mm x 70mm
	Weight: 4kg
	Protection: to IP68, fully potted
<b>Hydraulic Actuator</b>	Refer to separate data sheet describing this item

HWM reserves the right to vary specifications without prior notice

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FLOW MEASUREMENT DATA LOGGING LEAK DETECTION PRESSURE MANAGEMENT