

Vlv2In

CONTROL
MODULE

On/off valve, two inputs, maintained or pulsed outputs

Standard Control Module Library

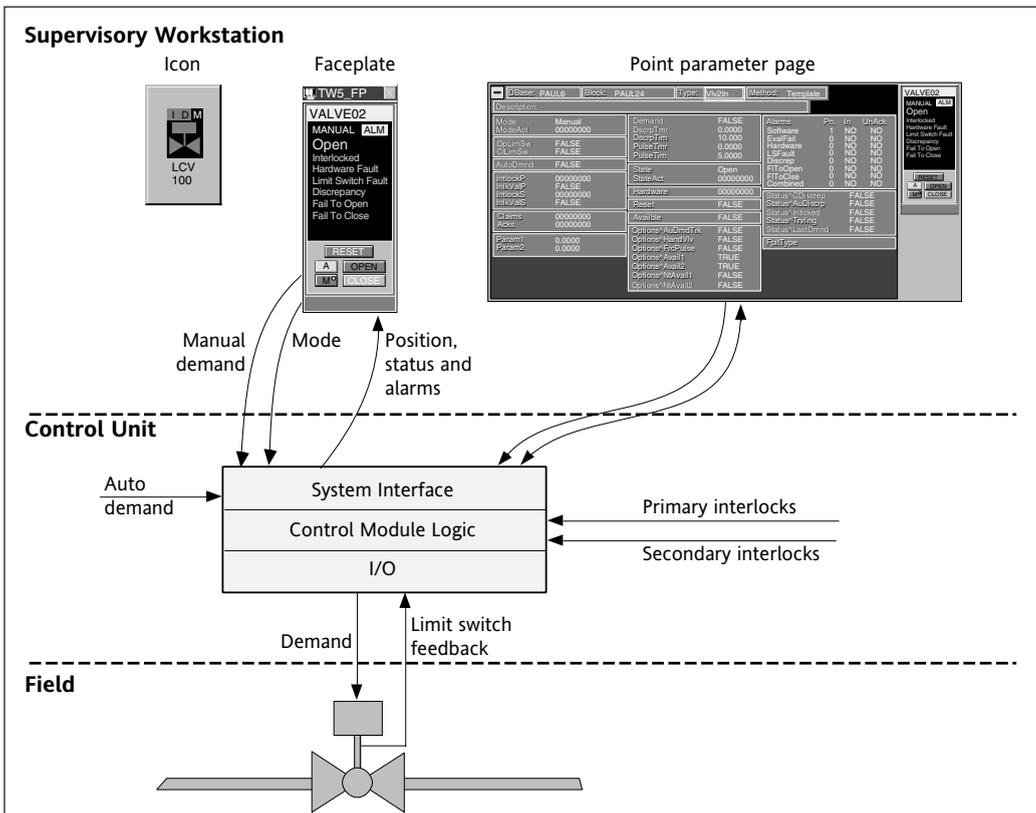
The Vlv2In control module is designed for an on/off valve with two limit switch inputs (feedback), offers a choice of maintained or pulsed outputs, and provides the following functionality:

- Setting a valve demand
- Standard supervisory workstation interface
- Standard software block
- Status and alarm display
- Operator faceplate
- Engineer point display
- Interlocks

The Vlv2In control module forms part of a library of software function blocks designed to aid the implementation of valve control. Associated with each control module is a custom-built point fascia, an engineering point display and a graphical mimic icon for the supervisory workstation.

Applications

The control module offers the functionality required to drive a typical solenoid-operated valve. It can be applied to small bore valves used on pilot plant, to large bore valves on pipelines, etc.



EUROTHERM

CONTROLS
PROCESS AUTOMATION
RECORDERS

OUTLINE SPECIFICATION

I/O

Open Limit Switch Input

Maintained digital (Open/Not open)

Closed Limit Switch Input

Maintained digital (Closed/Not closed)

Maintained Demand Output

Maintained digital (Open/Close)

Pulsed Demand Output

Open pulse

Close pulse

Operating Modes

Manual/Maintenance

Allows manual operation of the valve

Automatic

Allows automatic operation of the valve

Interlocks

Primary Interlocks

Up to eight maintained digital inputs

Secondary Interlocks

Up to eight maintained digital inputs

The interlock demands override the Automatic and Manual demands, and a Primary Interlock overrides a Secondary.

Alarms

Hardware

Failure of associated I/O modules if required

Valve Limit Switch Fault

Valve Position Discrepancy

Valve Failed to Open

Valve Failed to Close

Faceplate

Valve Status

Mode

Displays Manual/Auto/Maint

Derived Status

Displays Closed/Open/Opening/Closing/Unknown/LS Fault

Interlocked

Displayed when valve is in an interlock state

Hardware Fault

Displayed when there is an I/O failure

Limit Switch Fault

Displayed when limit switch valve is both open and closed

Discrepancy

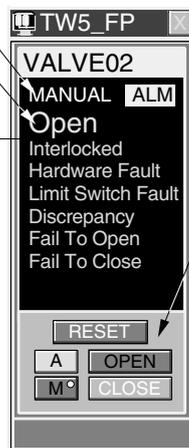
Displayed when valve has a discrepancy alarm

Fail To Open

Displayed when valve fails to open

Fail To Close

Displayed when valve fails to close



Mimic Icon

Notations

A	Automatic mode selected
M	Manual mode selected
M (blue background)	Maintenance
I	Interlock active
D	Valve in discrepancy alarm
Line 1/Line 2	Textual control module tag or description

Colours

Red	Closed
Green	Open
Yellow	Opening
	Closing
	Unknown
	LS Fault
Grey	Not communicating
Flashing	Flashing Block alarm

Operator Interaction

Reset Button

Resets the latched alarm mode

A Button

Selects automatic mode

M Button

Selects manual mode

Open Button

Opens the valve in manual mode

Close Button

Closes the valve in manual mode

EUROTHERM LIMITED <http://www.eurotherm.co.uk>

UK SALES OFFICE

Eurotherm Ltd

Faraday Close Durrington Worthing BN13 3PL United Kingdom

Sales and support: Tel. +44 (0)1903 205277 Fax +44 (0)1903 236465



© Copyright Eurotherm Limited 2000

All rights strictly reserved. No part of this document may be stored in a retrieval system, or any form or by any means without prior written permission from Eurotherm Limited. Every effort has been taken to ensure the accuracy of this specification. However in order to maintain our technological lead we are continuously improving our products which could, without notice, result in amendments or omissions to this specification. We cannot accept responsibility for damage, injury loss or expenses resulting therefrom.

