



# Technical Data

Profibus Actuator Network  
Module

## Actuator Network Module - Profibus

The Profibus Actuator Network Module is a Modular unit that can be added (Factory Fitted Only) to a Standard or FailSafe Electric Actuator on a VKD/TKD Ball Valve, that allows the Electrically Actuated Ball Valve to be added to a Profibus network for control & feedback.

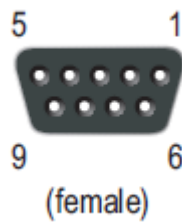
- Profibus Protocols DPV0 & DPV1
- No separate power supply required for the Profibus Actuator Network Module.
- Available with 110/230V AC or 24V AC/DC Actuator
- No customer assembly required, it is delivered as a complete assembled & tested unit.
- Protective housing to IP66
- GSD configuration file, downloadable from the Durapipe website
- Connection to the network via a 9 Pin D-Sub connection.
- For more information, please visit our website :  
**[www.durapipe.co.uk](http://www.durapipe.co.uk)**

## Network Specific Features

- Network Connector : DSub 9 Pole Female \*
- Baud Rate : Up to 12Mb
- I/O Data : Out area = 81 Bytes - In area = 32 Bytes

\* IP67 Waterproof Male D-Sub Connector Available, Part No. HZ PCM 001 for connection to the Module

## Profibus Connection Details



Pin No.	Connection
1	-
2	-
3	B-Line Rx/Tx +
4	RTS
5	GND Bus (output)
6	+5v Bus (output)
7	-
8	A-Line Rx/Tx -
9	-

## Trigger Bytes on PLC

The PLC should map 81 Bytes output to the Network Module and 32 Bytes returning from the Network Module

Byte No.	Function
66	Close Valve
67	Open Valve
70	Stop
71	Read total duty time of valve
72	Read Actuator Position (Closed/Open)
73	Read number of cycles
74	Read number of EPPROM errors
75	Read number of errors
78	Read Max Temperature
79	Read Min Temperature
80	Read Current Temperature

A toggle of any bit in the bytes at the above addresses will activate that command. The result can then be read from the Network Module by reading the 32 bytes starting at address 0x00. The other bytes of the output to the Network Module are reserved for future use.

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For further information on all Durapipe UK products and services contact our Customer Services Department as detailed below.

**Customer Services**

Tel: 0844 800 5509

Durapipe UK is a trade name of Glynwed Pipe Systems Ltd. Company Number 1698059.

*Registered office:*

**Durapipe UK**  
Swaffield Park  
Hyssop Close, Hawks Green  
Cannock  
Staffordshire  
WS11 9NS  
United Kingdom  
Tel: +44 (0)1543 471680  
email: [enquiries@durapipe.co.uk](mailto:enquiries@durapipe.co.uk)  
web: [www.durapipe.co.uk](http://www.durapipe.co.uk)

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