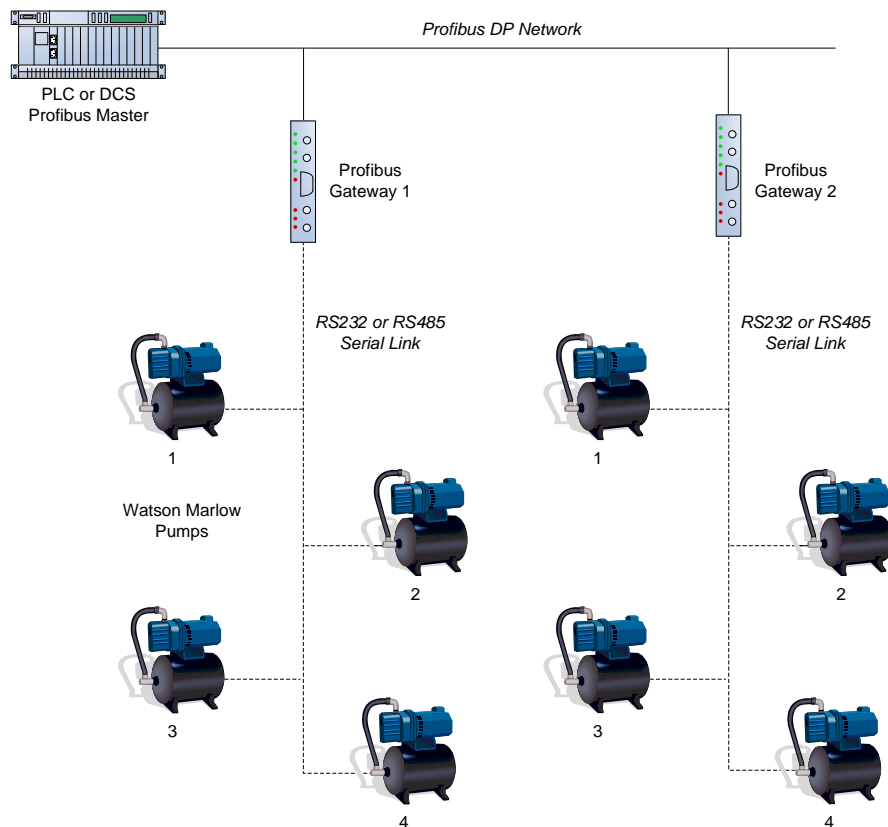# Intelligent Information: Profibus Gateway For Watson-Marlow Pumps

Typical Use of Profibus Gateway

Overview

The Profibus Gateway for Watson-Marlow pumps allows Watson-Marlow pumps fitted with a serial interface to be integrated into a Profibus DP network. Each Gateway is a Profibus slave on the network.

Up to four pumps can be connected to a single gateway; the following information can be read from each pump: Speed, Running / Stopped status, Direction and Tachometer Count.

Each pump can also be controlled from the Profibus master the available control functions are: Start / Stop Pump, Set Speed, Set Direction, Reset Tachometer and Start a fixed dose of tachometer pulses with an optional drip pulse count.

Main Features

➢ Pumps can be connected by either RS232 or RS485 serial links

➢ Health of gateway and connected pumps visible on front of module or from Profibus master

➢ Supports Profibus DPV0 & DPV1

➢ Profibus speed auto detected (up to 12 MBits/s)

➢ Profibus address and pump configuration easily defined using rotary switches

➢ Gateway is DIN-rail mounted with all connectors plug-in for easy replacement

➢ Power supply 10.8 – 33 VDC

➢ The Profibus Gateway is based on an industrial proven solution provided by Deutschmann Automation.

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