

## Multichannel Power Drive Stage

Type "POWMOD01"



- Digital power drive stage for up to four vibratory with tachometric coil or DC motors up to 1.5A
- Internal CAN BUS for optimized communication with the Multiline multifeeder module
- Analog inputs for 0 to 10V or 0 to -10V control signals allow compatibility with other systems
- Easy and rapid integration with the "Multiline" multifeeder control unit FWSMOD01
- Built in configurable test functions for mechanical parameters
- Independent power drive stages over current protections
- Local LCD with backlight and keyboard for stand alone applications or emergency.
- RS232 PLCs / PCs communication protocols and field bus supported
- Integrated power supply for 115 or 230 V networks
- Optional Digital I/Os for low cost multichannel batching system

### Short description

The four channels digital power drive stage module POWMOD01 is based on reliable and high performance technology which allows to meet the requirements of high precision dosing processes. In combination with the "Multiline" multifeeder controller it can operate as multichannel power drive stage for vibratory with tachometric coil or DC motors up to 1.5A. Only two units are required for up to eight feeders which can be either vibratory or screw feeders. It has been designed for great price performance ratio and for ease of use. The modular system allows to reach an extremely good price pro channel ratio for gravimetric multifeeders applications or batching systems. It offers exceptional reliability, precision and flexibility which also results from many years of customers feedback. The integrated LCD display with backlight and the keyboard allow full control and configuration for local operations or emergency. Configuration parameters allow to easily optimize the dosing process. On board optional digital I/Os allow to use the POWMOD01 as standalone low cost high performance multichannel volumetric batching system. If combined with a multichannel amplifier module FCAMOD01 it can operate as multichannel gravimetric batching system.

### Built in test functions

Some built in test functions allow to test the mechanics and tweak their related configuration parameters to compensate for mechanical tolerances.

### Easy and fast integration with the "Multiline" multifeeder module FWSMOD01

Two POWMOD01 units communicate with the Multiline (which is the master) via the internal CAN BUS and allow to connect up to eight vibrators with tachometric coil or screw feeders with DC motor.

### Multichannel stand alone batching module

POWMOD01 stand alone batching version can be used as independent multichannel volumetric or gravimetric batching system (optional). For gravimetric batching an optional FCAMOD01 amplifier module is required.

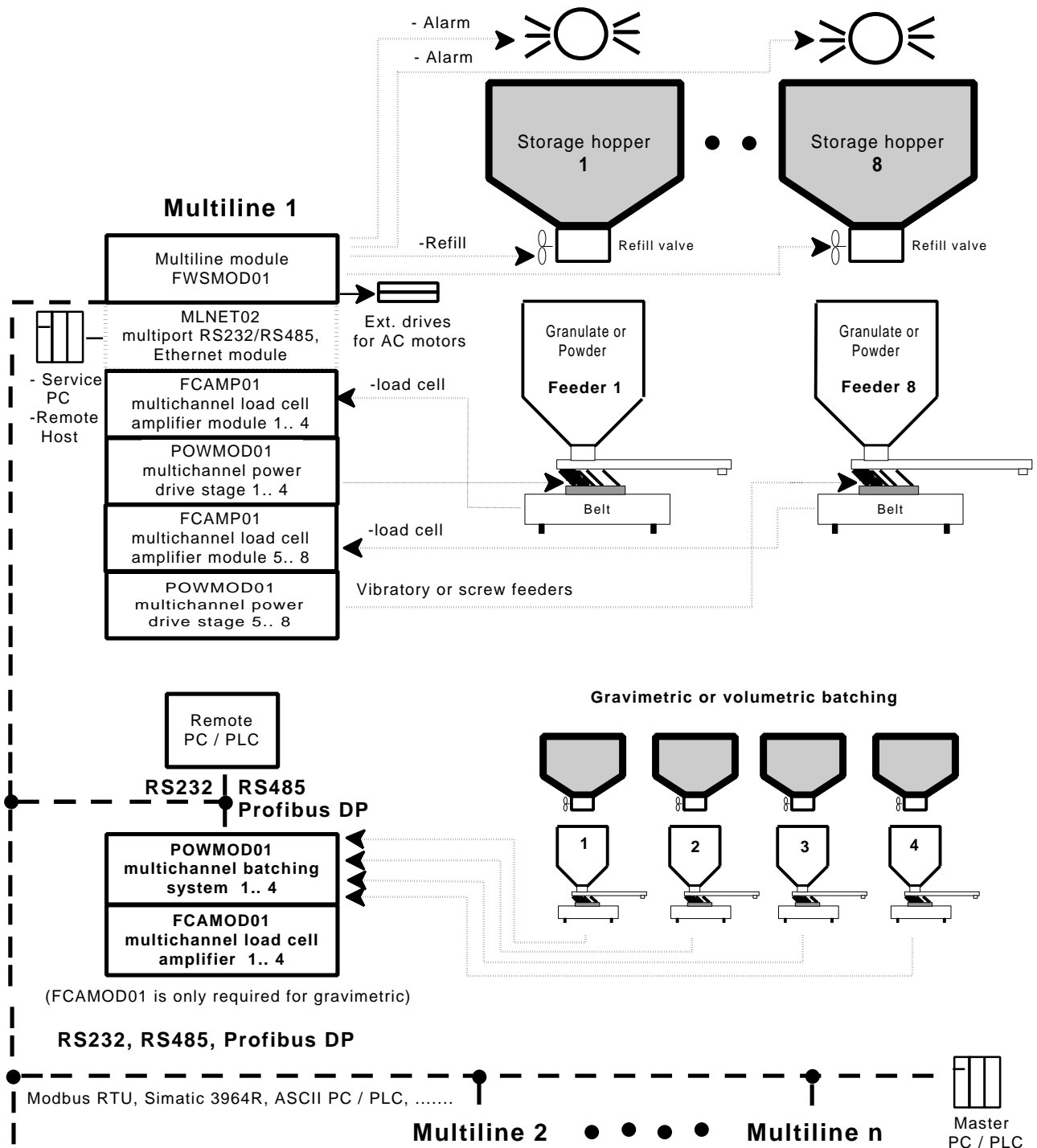
### Motor thermistor digital inputs

Some dedicated digital inputs allow to monitor every connected motor thermistor status.

### Integrated power supply

The on board Hardware switch (selected before delivery at the factory) allows to use the same unit in 115 V or 230V 50/ 60 Hz networks without the need of external power supply units or adapters.

# Application



## Technical specification

Power	: 115 or 230 [VAC] + / - 10 %
Vibratory type	: Electromagnet with tachometric coil
Motor type	: DC motors up to 1.5A
Over current protection	: On board
Local LCD display	: 4 lines x 20 characters with backlight
Local keyboard	: 4 scroll arrows and one confirmation button

Authorized Agency :