

CUTE PWM16

www.innova.no

The Innova PWM16 is a member of the Innova Cute family of intervention control products. The unit is a compact, intelligent valve controller with the capability of controlling up to 16 proportional valve functions, as well as pressure sensor monitoring. The unit is designed for mounting in oil-filled compensated enclosures, and pressure rated to 3000 MSW.

The unit is ideal as the core system in "intelligent valve packs", and the small size makes it an ideal way of upgrading and adding intelligence to existing units. This valve controller can act as a stand alone component, or as a part of a valve pack or a larger system.

The unit is designed primarily to control 16 individual 24 VDC loads. The design allows the unit to be installed in a pressurized environment such as compensated, submerged oil-filled enclosures. Typical applications are operation of solenoid or proportional hydraulic valves.

Key features

- 16 x 24 V PWM or on/off function 2 A
- 6 x analogue inputs 4-20 mA 10 bit resolution (2 of these can be configured for 0-5 V)
- 4 x isolated digital inputs 24 V

Remote control is possible via multi drop RS-485 or RS-232 serial link. The unit is configured to act as a slave controller from a host system. Several PWM16 controllers (and other Cute units) can be controlled over a 485 network.

The unit can be supplied with demonstration and test software and communications protocol documentation, making it easy to interface the PWM16 to any control system.

PHYSICAL I/O CONFIGURATION

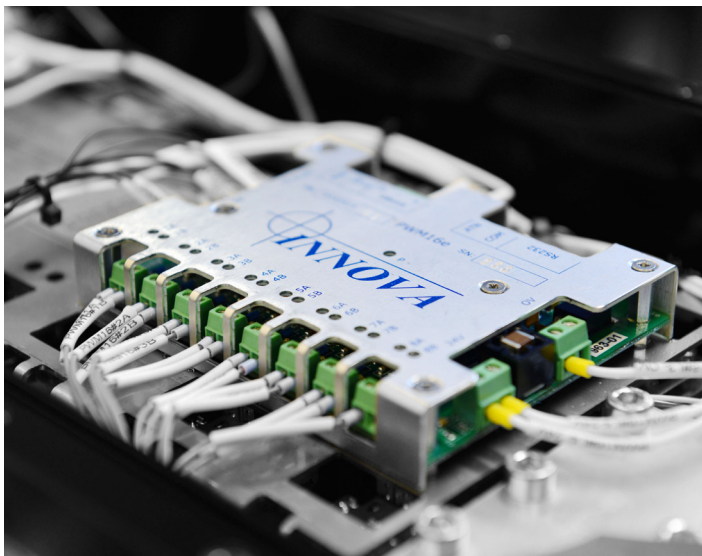
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SOFTWARE FEATURES

- "Do All" function that read and write all I/O in one command
- Save default power-up values
- Flexible multiple read write I/O commands
- Demonstration and test software delivered with module (optional)

SIZE AND MOUNTING INTERFACE

Size:	87 x 112 x 21 mm
Mounting:	4 or 6 M3 bolts
Housing:	Aluminum cover



PRESSURE TOLERANCE

300 bar / 3000 m water depth

TERMINALS

RS-232:	IDC 10 pin modem configured
RS-485:	Screw terminals
PWM outputs:	Screw terminals
Analogue input:	Screw terminals
Digital input:	Screw terminals

POWER, CURRENT AND TEMPERATURE

Voltage:	24V
Current:	33 mA
PWM Load Current:	2 A each, 10 A total
Temperature:	-20 °C to 50 °C

Control of proportional valves is provided by 16 channels of pulse width modulated output.

The PWM16 has digital adjustment of pulse characteristics, making it easy to tune the control signal to individual valves. In addition the unit monitors 6 off 4-20 mA sensors such as pressure or temperature sensors.

Four isolated digital inputs are available and can be used to monitor end switches or other on/off switches.