

MULTICHANNEL VALVE DRIVER

The PWM CONTROL PCB is capable of controlling 6 to 12 bi-directional proportional and / or solenoid valves and contains analog inputs for pressure / temperature transducers. Its compact and smart design makes it easy to install. The PCB is equipped with pluggable connector terminals that simplifies maintenance and troubleshooting.

The control PCB communicates through RS232/RS485 or CAN-Bus with control software or hardware. The PCB is powered by a wide voltage range of 10-30VDC.

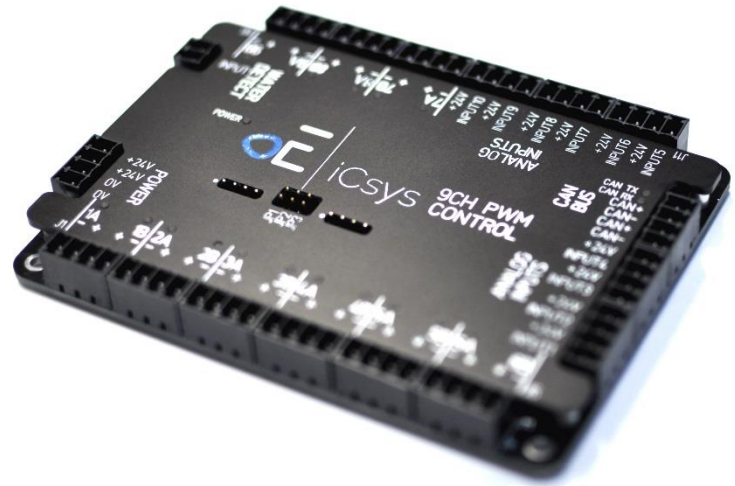
All PWM outputs have two channels (A & B) for bi-directional valves, but A & B can also be driven individually at the same time for two one-directional valves.

The analog inputs has a high resolution of 16bits. These can handle both 4-20mA and 0-5v. On request these can be modified to 0-10v.

A topside Graphical User Interface (GUI) is available and may be used to provide complete control of your system. The Graphical User Interface can be customized according to customer needs and requirements.

General Specifications:

- Dimension: 120 x 90 x 10mm
- Supply voltage: 10-30VDC
- Pressure tested to 5000m
- Output frequency: 1-2000Hz
- Output Resolution: 16bit (65535)
- Analog input resolution: 16bit (65535)
- Weight: 120g



Features:

- Compact Design
- LED indicators for diagnostics
- High Resolution Analog inputs
- Pressure Tolerant
- Daisy chain
- Multiple versions
- Water Detect
- Individual frequency control for all channels
- Phase offset to avoid high peak current

PWM Control PCB ordering list:

Communication:	No. of Channels:	Connector type:	Part No:
RS232/485	12x2 Out + 4 Analog In	Right Angle	100471
RS232/485	12x2 Out + 4 Analog In	Straight	100470
RS232/485	9x2 Out + 10 Analog In	Right Angle	100848
RS232/485	9x2 Out + 10 Analog In	Straight	100849
RS232/485	6x2 Out + 14 Analog In + 4 Digital In	Right Angle	100491
RS232/485	6x2 Out + 14 Analog In + 4 Digital In	Straight	100490
CAN-Bus	12x2 Out + 4 Analog In	Right Angle	100845
CAN-Bus	12x2 Out + 4 Analog In	Straight	100846
CAN-Bus	9x2 Out + 10 Analog In	Right Angle	100843
CAN-Bus	9x2 Out + 10 Analog In	Straight	100844
CAN-Bus	6x2 Out + 14 Analog In + 4 Digital In	Right Angle	100850
CAN-Bus	6x2 Out + 14 Analog In + 4 Digital In	Straight	100851

Spare Connectors:

Communication:	Part No:
4pin Right Angle	100461
4pin Straight	100459
3pin Right Angle	100466
3pin Straight	100464
2pin Right Angle	100467
2pin Straight	100465

