

SmaRT IM-2BP Intermediate Module

Features

- ✓ Two independent output channels
- ✓ Bi-polar outputs
- ✓ Isolated outputs
- ✓ Flexible configuration
- ✓ Single 12-pin connector for ease of wiring
- ✓ Weatherproof, compact design



The SmaRT Intermediate Module IM-2BP features two independent channels each of which can accept either an analog or PWM input and provide outputs up to $\pm 10\text{VDC}$ at 75ma. The inputs and outputs can also be fully isolated from the power supply if necessary. The module has been designed to enhance its flexibility and provide additional optional capabilities. (Contact Cervis, Inc. for details.)

The IM-2BP can be configured for either nominal +12VDC or +24VDC power input. All connections are made with a single cable. The rugged weatherproof enclosure allows the unit to operate worry-free in harsh weather conditions.

Specifications

Power

V_{in}	+12VDC nominal (9–18VDC) +24VDC nominal (18–36VDC)
Power	4W max.

Enclosure

Dimensions	mm: 133 x 118 x 36 inch: 5.24 x 4.65 x 1.42
Weight	.24kg (0.5lbs)
Durability	High Impact Polymer

Inputs

Analog	0–10VDC
PWM	7–32VDC 0–100 duty cycle

Outputs

Analog	$\pm 10\text{VDC}$ at 75ma max. each channel
---------------	--

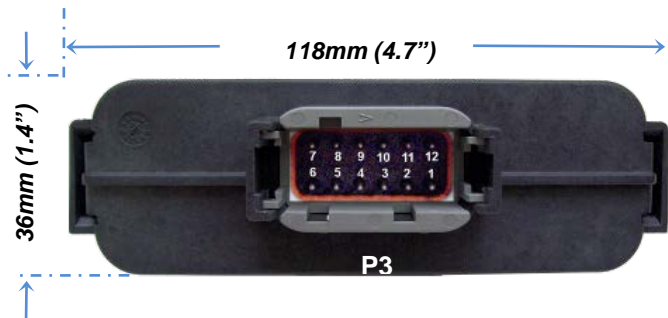
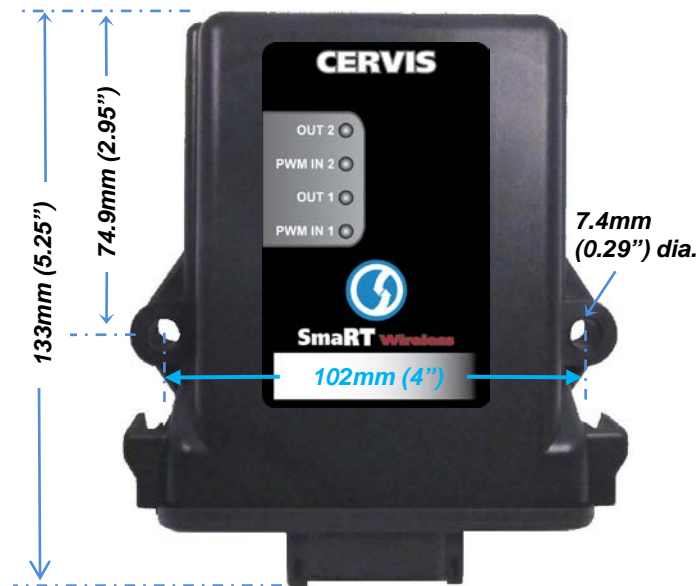
Indicators

PWM In 1	Amber – Input active
PWM In 2	Amber – Input active
Out 1	Red – Output positive Green – Output negative
Out 2	Red – Output positive Green – Output negative

Environment

Operating Temp	-20°C to 55°C (-4°F to 131°F)
Storage Temp	-40°C to 85°C (-40°F to 185°F)
Humidity	0 to 100%
Vibration/Shock	IEC60068-2-6 10Hz to 150Hz @ 1.0g peak acceleration 10.0g peak shock acceleration

Dimensions and Cable Wiring Connections



P3 Pin	Description
1	Output 2
2	Input 2
3, 4, 9	Signal Common 2
5, 6, 7	Signal Common 1
8	+DC power
10	Output 1
11	Input 1
12	-DC power

Ordering References

Standard Configuration

- 0 – 10 VDC analog input each channel
- ±5VDC output each channel
- Signal commons tied to DC power –
- 12VDC: IM-2BP—12V
- 24VDC: IM-2BP—24V
- Contact Cervis, Inc. for custom configurations