

MOD-PCM2 Dual Phase Cut Modules

The PCM2 converts two 0-10V dc Input Signals to drive two separate 0-20V 50Hz phase-cut outputs, at 30VA per channel for the control of small valve or damper actuators.

The PCM2 features opto-isolation, is powered from 24V ac (with a common earth to input signal) and has Rising Clamp Screw Terminals. The output from the PCM2 can be boosted to 60VA by using two PCM60 modules, 1 per channel.



Features

- 2 x 20V 30VA Phase Cut Output
- 2 x 0..10Vdc Inputs
- Opto Isolated
- Rising Clamp Screw Terminals
- DIN-Rail Mounting

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Model Type	Model	Description
	MOD-PCM2	Dual 30VA Phase Cut Module

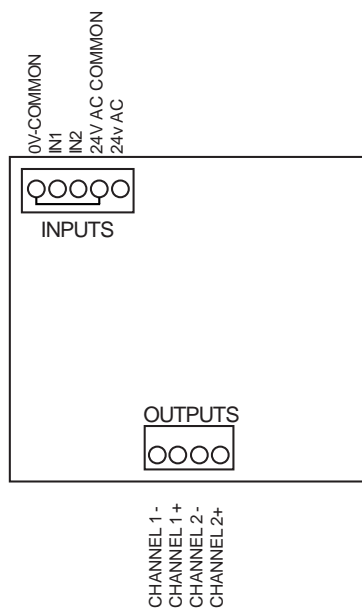
Technical Data	Parameter	Value
	Operating Voltage	24Vac
	Input Signal	2 x 0..10Vdc
	Output Signal:	2 x 0..20V Phase Cut, 30VA per Channel
	Terminals	Rising Clamp Screw Terminals
	LED Indication	ON when powered
	Operating Temperature	0..50°C
	Dimensions	W78 x H92.5 x D55 mm

Installation

NOTES:-

- 1) The transformer used to supply the 24V ac should be dedicated solely to the PCM2. The transformer secondary must not have either end connected to 0V nor to Earth. If the transformer secondary is earthed, and the actuator is also earthed, the PCM2 may be permanently damaged.
- 2) The 24Vac supply must be rated to supply the full phase-cut output load.
- 3) The PCM2 is not protected against short circuits - take suitable precautions when wiring. All connections should be made with the power disconnected.

Wiring Details



Input Terminals

- 0V Common 0V for 0-10V dc Control Signals
- IN1 Channel 1 0-10Vdc Control Signal
- IN2 Channel 2 0-10Vdc Control Signal
- AC 24Vac Common (See Notes 1,2 & 3 above)
- AC 24Vac (See Notes 1,2 & 3 above)

Output Terminals

Note Polarity !

Some phase-cut loads may be polarity sensitive - refer to manufacturers data.

- Output1- Channel 1 Phase-cut Output
- Output1+ Channel 1 Phase-cut Output
- Output2- Channel 2 Phase-cut Output
- Output2+ Channel 2 Phase-cut Output