

The PMC 6 Relay / 4 Input I/O Module is a member of Intellitec's Programmable Multiplex Control family. It works in combination with the PMC CPU and other standard, semi-custom, or custom I/O modules.

The 917 module provides six undedicated relays for switching floating signals. Each relay can carry up to 10 amps of current. There are diagnostic LED's for each of the relay circuits. These LED's will light when the respective relay is closed.

In addition to the six output diagnostic LED's on the outputs, there is also one that indicates the failure of communications. This LED will light in the event of loss of signal.

There are four input connections for rocker, limit, or sensor switches. Each individual input can be configured as either a low side switch to ground, or a high side switch to battery. There are four jumpers on the board that can be set to have the input be a high side or low side input.

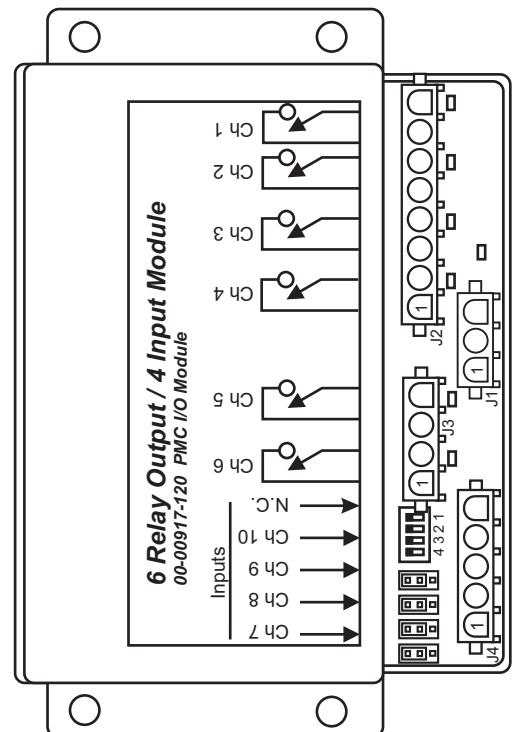


With the jumper closest to the edge of the board, the inputs will be high side. In other words, when the input is high, there will be an output on the PMC bus.

The module address can be set from A through P by use of the dip switch located on the edge of the board. Addressing information is available on the back of this brochure.

Input information is directly communicated to the CPU and the relays are controlled by the CPU via the PMC communications link. All of the output harnesses are connected with AMP Mate-N-Lok connectors to reduce installation time and errors.

The approximate module dimensions are 6.375" X 4.375" X 1.625" (162mm X 111mm X 42mm). *It should be installed in a protected environment, inside the vehicle.*



PAT NO. 4,907,222 & 6,011,997

SPECIFICATIONS

General Connections

		00-00917-416	00-00917-406
Nominal Vehicle Voltage		12V	24V
J1-1	PMC +12 volts	18 awg Min	18 awg Min
J1-2	PMC Signal	18 awg Min	18 awg Min
J1-3	PMC Ground	14 awg Min	14 awg Min

MATING CONNECTIONS

Designator	Function	Connector	Mating Part #	Contact, Typical	
				for 14-18 AWG	for 10-12 AWG
J1	PMC/Com	3 Pin Amp Mate-N-Lok	1-480700-0	350919-3	640310-3
J2	Outputs	8 Pin Amp Mate-N-Lok	640586-1	350919-3	640310-3
J3	Outputs	4 Pin Mate-N-Lok	1-480702-0	350919-3	640310-3
J4	Inputs	5 Pin Mate-N-Lok	1-480763-0	350919-3	640310-3

CHANNEL DESIGNATIONS

Channel	Connection	Type	Name	Rating
1	J2-7 & 8	Relay Output, Form A (SPST),(1)	Relay 1	10 Amp Max
2	J2-5 & 6	Relay Output, Form A (SPST),(1)	Relay 2	10 Amp Max
3	J2-3 & 4	Relay Output, Form A (SPST),(1)	Relay 3	10 Amp Max
4	J2-1 & 2	Relay Output, Form A (SPST),(1)	Relay 4	10 Amp Max
5	J3-3 & 4	Relay Output, Form A (SPST),(1)	Relay 5	10 Amp Max
6	J3-1 & 2	Relay Output, Form A (SPST),(1)	Relay 6	10 Amp Max
7	J4-1	Input, Positive or Negative	Switch 1	2K Input Resistance
8	J4-2	Input, Positive or Negative	Switch 2	2K Input Resistance
9	J4-3	Input, Positive or Negative	Switch 3	2K Input Resistance
10	J4-4	Input, Positive or Negative	Switch 4	2K Input Resistance

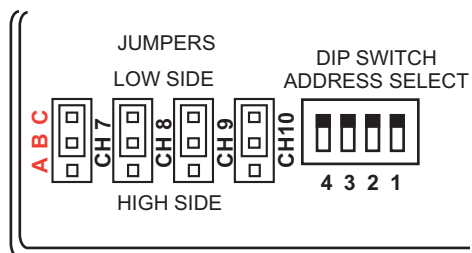
MODULE SETTINGS

Module can be set for 1 of 16 address.

Set four dip switches per table to the right.

X = Switch is OFF.

(Switches shown in ON position.)



DIP SWITCH	MODULE Address	DIP SWITCH	MODULE Address
4 3 2 1		4 3 2 1	
0 0 0 0	A	X 0 0 0	I
0 0 0 X	B	X 0 0 X	J
0 0 X 0	C	X 0 X 0	K
0 0 X X	D	X 0 X X	L
0 X 0 0	E	X X 0 0	M
0 X 0 X	F	X X 0 X	N
0 X X 0	G	X X X 0	O
0 X X X	H	X X X X	P

Four inputs, CH7 thru CH10, can be individually set for either positive (HIGH-SIDE) switched to the battery, or negative (LOW-SIDE) switched to ground. Setting a jumper to short pins AB selects positive switch. Setting a jumper to short pins BC selects negative switch.