

The PMC Isolated 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 995 module provides six isolated and 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.

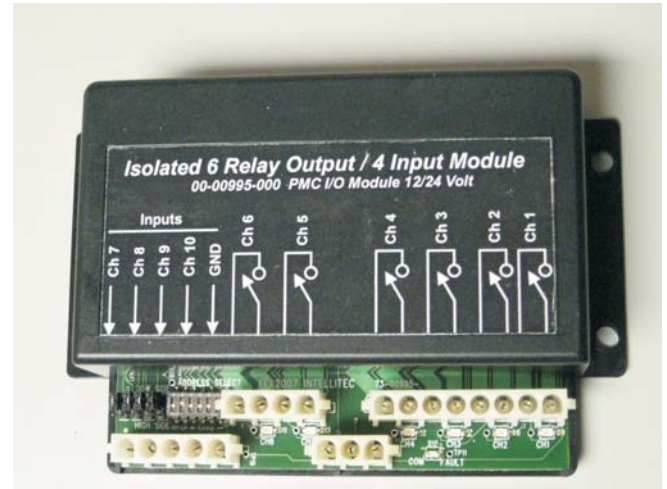
The module includes a six position dip switch which allows the user to program an address, from A through P, by using the switch 1 through 4 of the dip switch located on the edge of the board. Addressing information is available on the back of this brochure. Position 5 provides for the selection of the mode of operation such as latching outputs versus non-latching outputs. Position 6 is reserved for future expansion.

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.

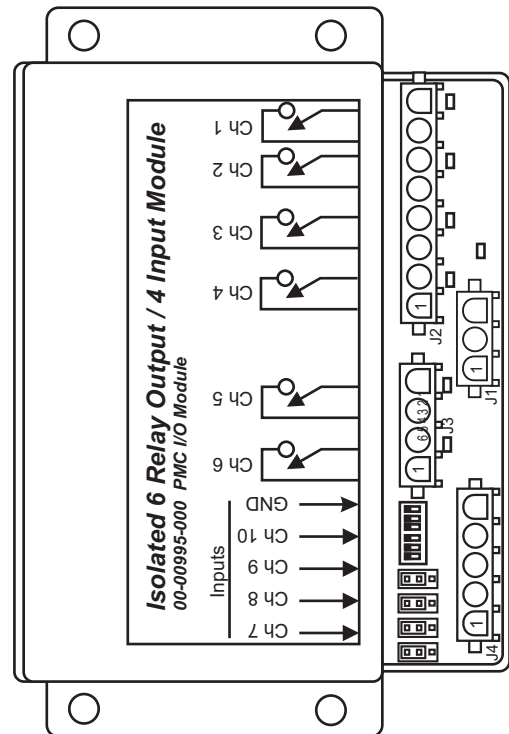
The approximate module dimensions are 6.375" X 4.375" X 1.625" (162mm X 111mm X 42mm). It should be installed in a protected environment, inside the vehicle.

#### **MULTIPOINT SWITCHING VERSION 00-00995-000**

This module works with the non-programmable Multipoint Master. With the Multipoint Master and Intellitec programmable momentary push button switches 00-00841-XXX, and dip switch 5 set to the ON position, the switch turns the channel on, the output latches on. When the switch turns the channel on again, the output latches off.



Using the GUI and setting a switch for 'BL/MR' (back light/Master Reset), instructs the switch to turn all 6 outputs off when the switch is held for 3 seconds. This module also has the 'All On' function which will instruct the module to turn on all 6 outputs when the pushbutton switch is held for 3 seconds.



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

**SPECIFICATIONS**

**General Connections**

00-00995-000

Nominal Vehicle Voltage Module

12V

J1-1	PMC +12 volts
J1-2	PMC Signal
J1-3	PMC Ground

18 AWG Min
18 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
GND	J4-5	Isolated Ground		

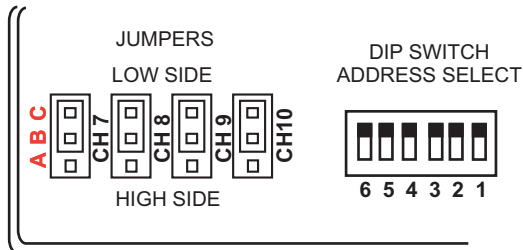
**MODULE SETTINGS**

Module can be set for 1 of 16 address.  
Set four dip switches per table to the right.

X = Switch is OFF.

0 = Switch is ON.

(Switches shown in ON position.)



SWITCH	MODULE	SWITCH	MODULE
6 5 4 3 2 1	Address	6 5 4 3 2 1	Address
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

X 0 Non-Latching Mode  
X X Latching Mode

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, (factory default).