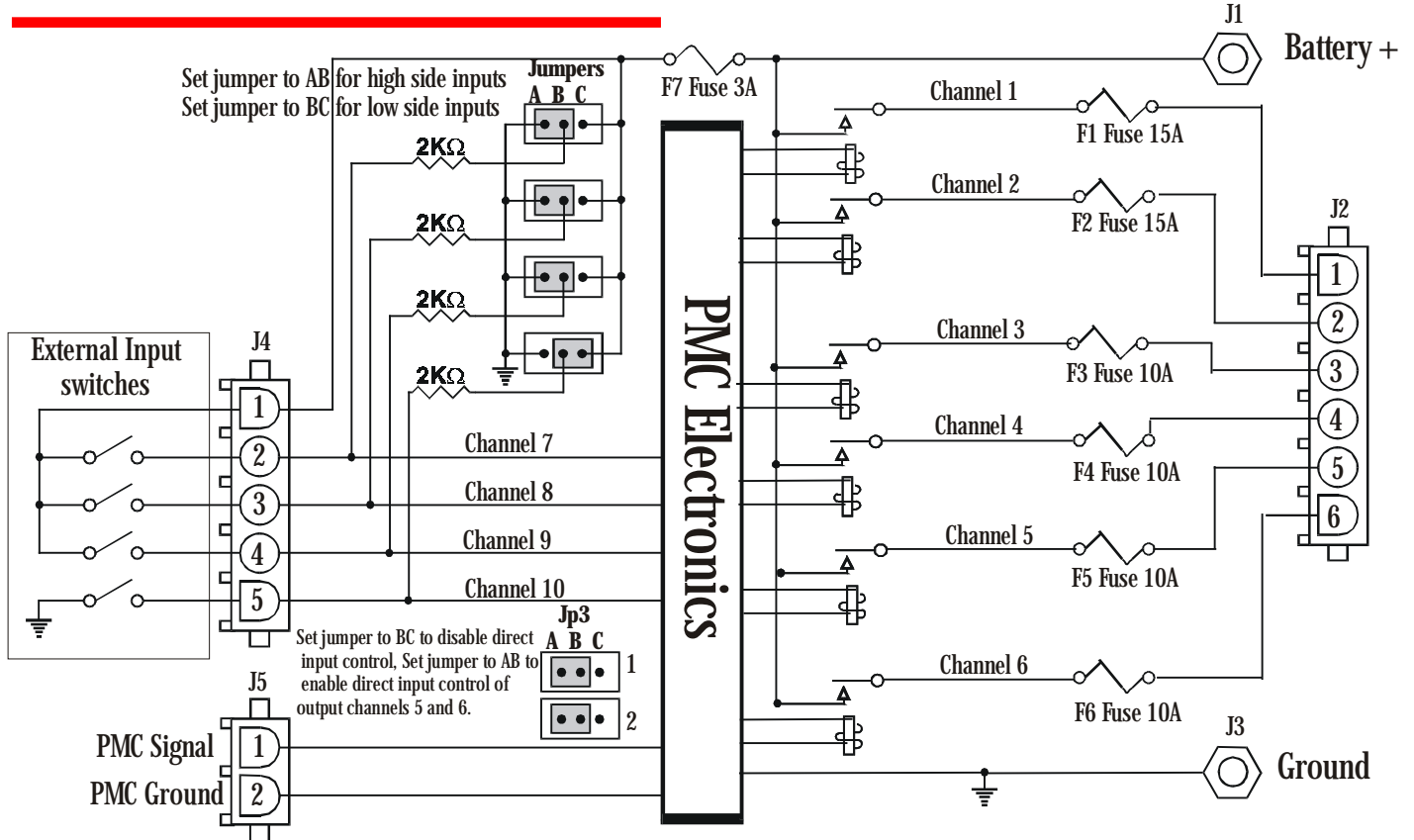
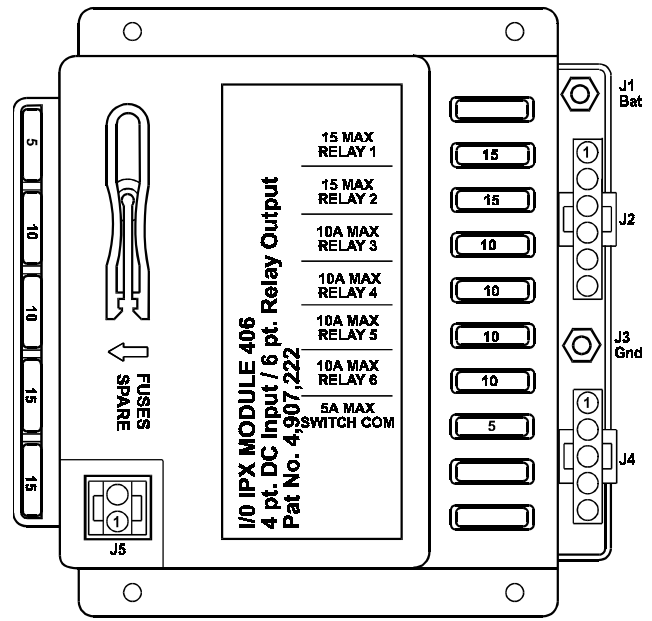


The PMC I/O Module 406/416, is a member of Intellitec's Programmable Multiplex Control family. It works in combination with the PMC CPU and other standard, semi-custom, or custom I/O modules.

The 406/416 provides power fusing, switching, and distribution in one module. It has two, 15 amp SPST relays and four, 10 amp SPST relays for switching loads to the battery. Each fuse position can be filled with a fuse, or circuit breaker. The total module current should not exceed 50 Amps.

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. 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 6.250" X 1.875" (16.2mm X 15.9mm X 4.8mm). It should be installed in a protected environment, inside the vehicle.



Direct Control

Jumper block JP3 provides for direct input control of output channels 5 and 6, for this module only. If the jumper JP3-1 is moved from the BC position to the AB position, output channel 5 will be controlled directly from input channel 7 on this module. Booleans written for this channel will have no effect. If jumper JP3-2 is moved to the AB position, output channel 6 will be controlled directly from input channel 8 of this module. This function eliminates the CPU's processing time for the channel involved.

Specifications:

General Connections		00-00621-416	00-00621-406
Nominal Vehicle Voltage		12V	24V
J1	Module Current	50 Amps Max	50 Amps Max
J3	Ground		
J4-1	Fuse #7 Power for Positive switched inputs	3 Amps Max	3 Amps Max
J5-1	PMC Signal	18 awg Min.	18 awg Min.
J5-2	PMC Ground	18 awg Min.	18 awg Min.

Channel Designations

Channel	Connection	Type	Name	Rating
1 Max	J2-1	Relay Output, Form A(SPST),(1)	Relay 1 Fuse 1	15 Amp
2 Max	J2-2	Relay Output, Form A (SPST),(1)	Relay 2 Fuse 2	15 Amp
3 Max	J2-3	Relay Output, Form A (SPST),(1)	Relay 3 Fuse 3	10 Amp
4 Max	J2-4	Relay Output, Form A (SPST),(1)	Relay 4 Fuse 4	10 Amp
5 Max	J2-5	Relay Output, Form A (SPST),(1)	Relay 5 Fuse 5	10 Amp

Mating Connections

Designator	Function	Connector	Mating Part #	Contact, Typical	
J1	Battery	#10/32 Ring Term		for 14-18 AWG	for 10-12 AWG
J2	Outputs	6 Pin Amp Mate-N-Lok	640585-1	350919-3 ,	640310-3
J3	Ground	#10/32 Ring Term			
J4	Inputs	5 Pin Amp Mate-N-Lok	1-480763-0	350919-3,	640310-3
J5	PMC/Com	2 Pin Amp Mate-N-Lok	1-480698-0	350919-3,	640310-3

	<u>Jumpers</u>	<u>Module</u>	<u>Jumpers</u>	<u>Module</u>
	<u>4 3 2 1</u>	<u>Address</u>	<u>4 3 2 1</u>	<u>Address</u>
Module can be set for 1 of 16 address.	0 0 0 0	A	X 0 0 0	I
Set four jumpers on jumper block JP2	0 0 0 X	B	X 0 0 X	J
per table to the right. X = Jumper is out.	0 0 X 0	C	X 0 X 0	K
	0 0 XX	D	X 0 XX	L
	0 X 0 0	E	XX 0 0	M
	0 X 0 X	F	XX 0 X	N
	0 XX 0	G	XXX 0	O
	0 XXX	H	XXXX	P

Four inputs labeled Switch 1 - 4 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.