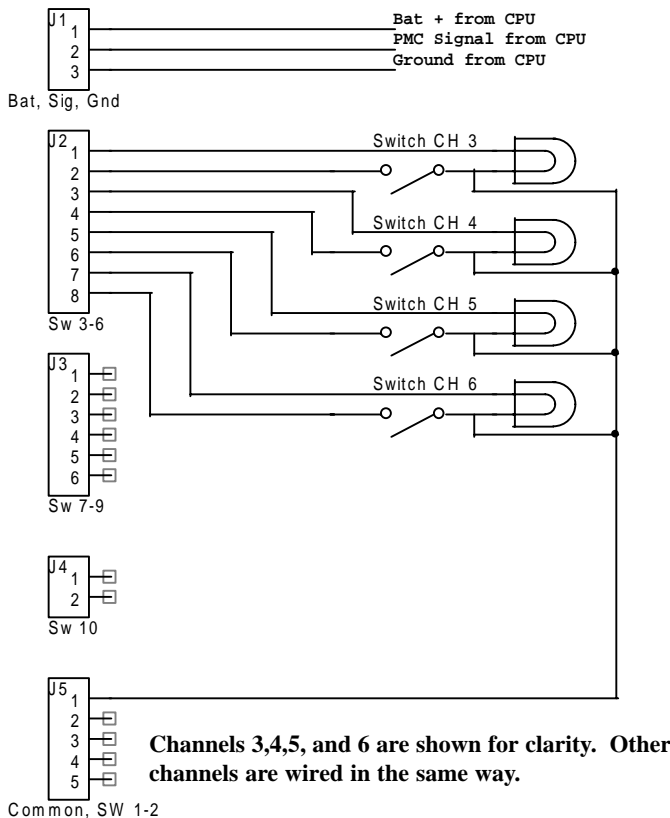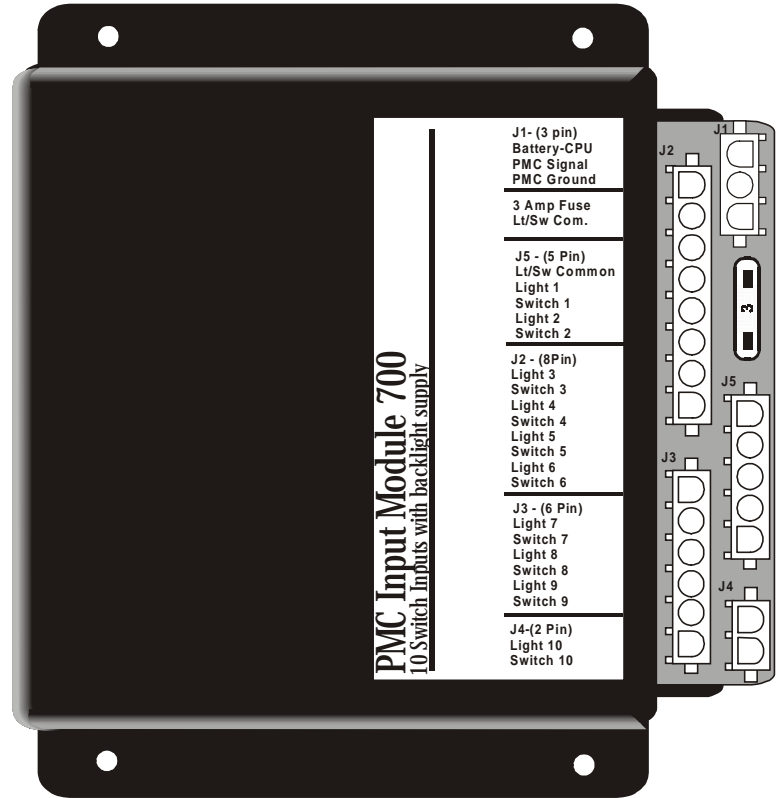PMC Input Modules 700 and 710, are members of Intellitec's Programmable Multiplex Control family. They work in combination with the PMC CPU and other standard, semi-custom, or custom I/O modules.

This module has ten input connections for rocker, or push-button switches and is intended to be used when back lit switches are scattered. When switches are located in a group, consider the 906 and 909 switch adapters.

A connection for back lighting is provided for each switch. The switch backlight lamps are controlled by the module. When the switch is off, half of the battery voltage is supplied to the lamp for backlighting. When the switch is turned on, full battery voltage is applied to the lamp.

PMC Input Module 700
10 Switch Inputs with backlight supply

J1- (3 pin)
Battery-CPU
PMC Signal
PMC Ground

3 Amp Fuse
Lt/Sw Com.

J5 - (5 Pin)
Lt/Sw Common
Light 1
Switch 1
Light 2
Switch 2

J2 - (8Pin)
Light 3
Switch 3
Light 4
Switch 4
Light 5
Switch 5
Light 6
Switch 6

J3 - (6 Pin)
Light 7
Switch 7
Light 8
Switch 8
Light 9
Switch 9

J4-(2 Pin)
Light 10
Switch 10

All input information is communicated directly to the CPU via the PMC communications link. The CPU utilizes this information to control other PMC modules.

All of the harnesses are connected with AMP Mate-N-Lok connectors to reduce installation time and errors. The module's address may be set for 1 of 16 addresses (A-P) via jumpers on the circuit board.

The approximate module dimensions are 6.375" X 6.250" X 1.875" (16.2mm X 15.9mm X 4.8mm). The module should be installed in a protected environment inside of the vehicle.

J1
1 Bat + from CPU
2 PMC Signal from CPU
3 Ground from CPU
Bat, Sig, Gnd

J2
1
2
3   Switch CH 3
4
5   Switch CH 4
6
7
8
Sw 3-6   Switch CH 5

J3
1   Switch CH 6
2
3
4
5
6
Sw 7-9

J4
1
2
Sw 10

J5
1
2
3   **Channels 3,4,5, and 6 are shown for clarity. Other**
4   **channels are wired in the same way.**
5
Common, SW 1-2

Specifications:

		00-00645-710	00-00645-700
		12 Volt	24 Volt

General Connections

J1-1	Battery + from CPU	3 Amps Max	3 Amps Max.
J1-2	PMC Signal from CPU	18 awg Min.	18 awg Min.
J1-3	PMC Ground from CPU	18 awg Min.	18 awg Min.
J5-1	Switch-Lamp + Common	3 Amps Max .	3 Amps Max.

Channel Designations

Channel	Connection	Type
1	J5-2	Lamp out, switch 1
1	J5-3	Input, Positive Ch 1
2	J5-4	Lamp out, switch 2
2	J5-5	Input, Positive Ch 2
3	J2-1	Lamp out, switch 3
3	J2-2	Input, Positive Ch3
4	J2-3	Lamp out, switch 4
4	J2-4	Input, Positive Ch 4
5	J2-5	Lamp out, switch 5
5	J2-6	Input, Positive Ch 5
6	J2-7	Lamp out, switch 6
6	J2-8	Input, Positive Ch 6
7	J3-1	Lamp out, switch 7
7	J3-2	Input, Positive Ch 7
8	J3-3	Lamp out, switch 8
8	J3-4	Input, Positive Ch 8
9	J3-5	Lamp out, switch 9
9	J3-6	Input, Positive Ch 9
10	J4-1	Lamp out, switch 10
10	J4-2	Input, Positive Ch 10

Set Address Jumpers:

Jumpers 4 3 2 1	Module Address	Jumpers 4 3 2 1	Module 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

Module can be set for 1 of 16 addresses.
Set four jumpers on "Addr Select" jumper
block per table above. X = Jumper is out.

Mating Connections

Designator	Connector	Mating Part #	Contact, Typical	
			14-18 AWG	10-12 AWG
J1	3 Pin Amp Mate-N-Lok	1-480700-0	350919-3	
J2	8 Pin Amp Mate-N-Lok	1-480702-0	350919-3	640310-3
J3	6 Pin Amp Mate-N-Lok	640585-1	350919-3	640310-3
J4	2 Pin Amp Mate-N-Lok	1-480698-0	350919-3	640310-3
J5	5 Pin Amp Mate-N-Lok	1-480763-0	350919-3	640310-3