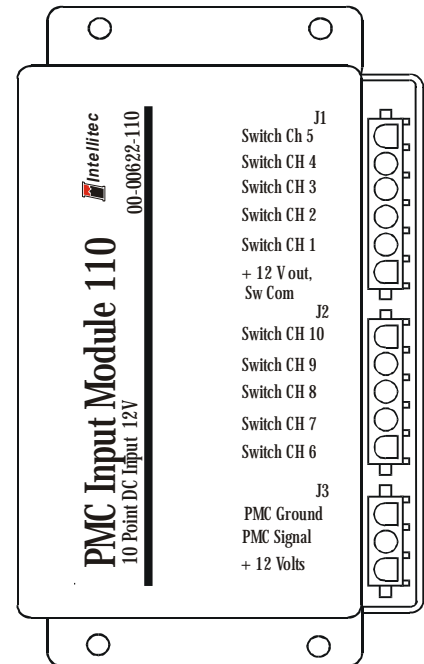


PMC Input Modules 100 and 110, are members of Intellitec's Programmable Multiplex Control family. They work in combination with the PMC CPU and other standard, semi-custom or custom I/O modules.

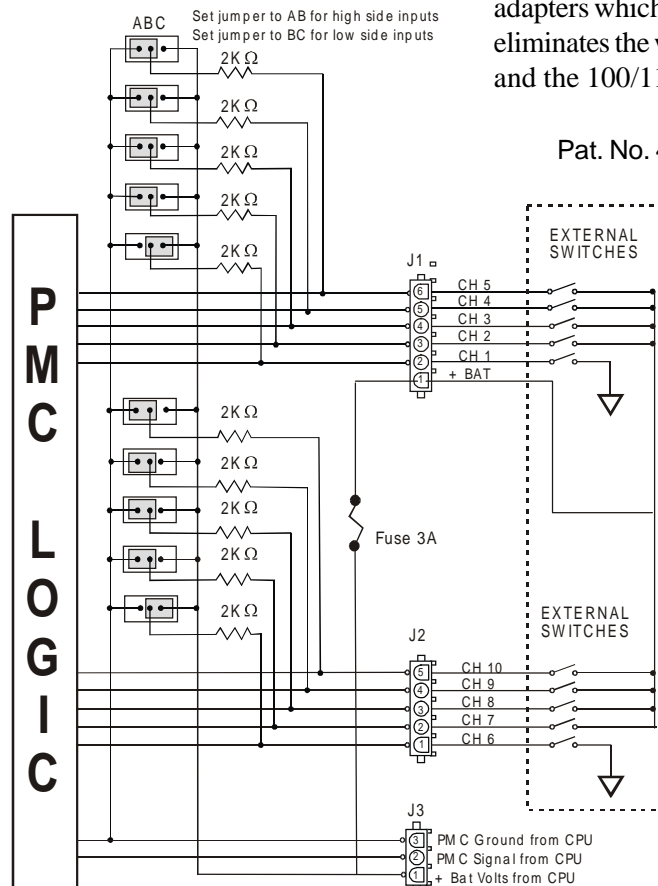
There are ten input connections for rocker, limit, or sensor switches. Each individual input can be configured as either a switch to ground, or a switch to battery. All input information is directly communicated to the CPU via the PMC communications link. The CPU utilizes this information to control other PMC output modules. 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 3.750" X 1.875" (16.2mm X 9.5mm X 4.8mm). The module should be installed in a protected environment inside of the vehicle.

To reduce wiring, and if your panel switches are grouped together, you may consider using Intellitec's standard switch adapters, custom adapters or custom switch panels. Several standard switch adapters are available.



Rocker switches can be plugged directly into these adapters which plug into the PMC multiplex bus. This eliminates the wiring between standard rocker switches and the 100/110 PMC I/O module.



Pat. No. 4,907,222 & 6,011,997

## Specifications:

### General Connections

|                         |  | 00-00622-110 | 00-00622-100 |
|-------------------------|--|--------------|--------------|
| Nominal Vehicle Voltage |  | 12V          | 24V          |
| J1-1                    | Fuse 1, Power for Positive switched inputs | 3 Amps Max   | 3 Amps Max.  |
| J3-1                    | External Power from CPU                    | 3 Amps Max.  | 3 Amps Max.  |
| J3-2                    | Multiplex Signal                           | 18 awg Min.  | 18 awg Min.  |
| J3-3                    | Multiplex Ground                           | 18 awg Min.  | 18 awg Min.  |

### Channel Designations

| Channel | Connection | Type                        | Name      | Rating              |
|---------|------------|-----------------------------|-----------|---------------------|
| 1       | J1-2       | Input, Positive or Negative | Switch 1  | 2K Input Resistance |
| 2       | J1-3       | Input, Positive or Negative | Switch 2  | 2K Input Resistance |
| 3       | J1-4       | Input, Positive or Negative | Switch 3  | 2K Input Resistance |
| 4       | J1-5       | Input, Positive or Negative | Switch 4  | 2K Input Resistance |
| 5       | J1-6       | Input, Positive or Negative | Switch 5  | 2K Input Resistance |
| 6       | J2-1       | Input, Positive or Negative | Switch 6  | 2K Input Resistance |
| 7       | J2-2       | Input, Positive or Negative | Switch 7  | 2K Input Resistance |
| 8       | J2-3       | Input, Positive or Negative | Switch 8  | 2K Input Resistance |
| 9       | J2-4       | Input, Positive or Negative | Switch 9  | 2K Input Resistance |
| 10      | J2-5       | Input, Positive or Negative | Switch 10 | 2K Input Resistance |

### Mating Connections

| Designator | Function | Connector            | Mating Part # | Contact, Typical |           |
|------------|----------|----------------------|---------------|------------------|-----------|
|            |          |                      |               | 14-18 AWG        | 10-12 AWG |
| J1         | Inputs   | 6 Pin Amp Mate-N-Lok | 640585-1      | 350919-3         | 640310-3  |
| J2         | Inputs   | 5 Pin Amp Mate-N-Lok | 1-480763-0    | 350919-3         | 640310-3  |
| J3         | PMC Com  | 3 Pin Amp Mate-N-Lok | 1-480700-0    | 350919-3         | 640310-3  |

|  | Jumpers |     |    |   | Module Address | Jumpers |   |    |   | Module Address |
|--|---------|-----|----|---|----------------|---------|---|----|---|----------------|
|  | 4       | 3   | 2  | 1 |                | 4       | 3 | 2  | 1 |                |
| Module can be set for 1 of 16 address.<br>Set four jumpers on jumper block JP2<br>per table to the right. X = Jumper is out. | 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   | XX | 0 | D              | X       | 0 | XX | 0 | L              |
|  | 0       | X   | 0  | 0 | E              | XX      | 0 | 0  | 0 | M              |
|  | 0       | X   | 0  | X | F              | XX      | 0 | X  | 0 | N              |
|  | 0       | XX  | 0  | 0 | G              | XXX     | 0 | 0  | 0 | O              |
|  | 0       | XXX | 0  | 0 | H              | XXX     | X | 0  | 0 | P              |

Ten inputs labeled Switch 1 - 10 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.