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 back-light lamps are controlled by the module. When the switch is off, half of the battery voltage is supplied to the lamp for back-lighting. When the switch is turned on, full battery voltage is applied to the lamp.

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.
**SPECIFICATIONS**

**General Connections**

- **Nominal Vehicle Voltage**
  - 00-00645-710: 12V
  - 00-00645-700: 24V

**Channel Connection Type**

<table>
<thead>
<tr>
<th>Nominal Vehicle Voltage</th>
<th>J1-1</th>
<th>J1-2</th>
<th>J1-3</th>
<th>J1-4</th>
</tr>
</thead>
<tbody>
<tr>
<td>J1-1 Battery + from CPU</td>
<td>3 Amps Max.</td>
<td>18 awg Min.</td>
<td>14 awg Min.</td>
<td>3 Amps Max.</td>
</tr>
<tr>
<td>J1-2 PMC Signal from CPU</td>
<td>3 Amps Max.</td>
<td>18 awg Min.</td>
<td>14 awg Min.</td>
<td>3 Amps Max.</td>
</tr>
<tr>
<td>J1-3 PMC Ground from CPU</td>
<td>3 Amps Max.</td>
<td>18 awg Min.</td>
<td>14 awg Min.</td>
<td>3 Amps Max.</td>
</tr>
<tr>
<td>J1-4 Switch Lamp + Common</td>
<td>3 Amps Max.</td>
<td>18 awg Min.</td>
<td>14 awg Min.</td>
<td>3 Amps Max.</td>
</tr>
</tbody>
</table>

**CHANNEL DESIGNATIONS**

**MATING CONNECTIONS**

- **Designator**: J1
  - **Connector**: 3 Pin Amp Mate-N-Lok
  - **Mating Part #**: 1-480700-0
  - **Contact, Typical**: for 14-18 AWG
  - **For 10-12 AWG**: 350919-3

- **Designator**: J2
  - **Connector**: 8 Pin Amp Mate-N-Lok
  - **Mating Part #**: 640586-1
  - **Contact, Typical**: for 14-18 AWG
  - **For 10-12 AWG**: 350919-3

- **Designator**: J3
  - **Connector**: 6 Pin Amp Mate-N-Lok
  - **Mating Part #**: 640585-1
  - **Contact, Typical**: for 14-18 AWG
  - **For 10-12 AWG**: 350919-3

- **Designator**: J4
  - **Connector**: 2 Pin Amp Mate-N-Lok
  - **Mating Part #**: 1-480698-0
  - **Contact, Typical**: for 14-18 AWG
  - **For 10-12 AWG**: 350919-3

- **Designator**: J5
  - **Connector**: 5 Pin Amp Mate-N-Lok
  - **Mating Part #**: 1-480763-0
  - **Contact, Typical**: for 14-18 AWG
  - **For 10-12 AWG**: 350919-3

**MODULE SETTINGS**

- **Module can be set for 1 of 16 addresses.**
- **Set four jumpers on “Add Select” jumper block**
- **Per table on right.**
  - **X = Jumper is Out**