PMC Rocker Switch Adapters 842 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.

Carling Contura II Series rocker switches plug directly into the adapter, eliminating the need for a harness, or separate wiring to each switch. All switch and indicator light information is directly communicated to and from the PMC CPU via the two wire PMC communications link. A third and fourth wire provides power and ground for the lamps. The PMC connection is made with an AMP Mate-N-Lok connector to reduce installation time and errors. The switch indicator lamps are controlled by the CPU and are treated in the same fashion as any other output. Each switch provides an input signal to the system (Channels 1-5) and each indicator lamp is a programmable output (Channels 6-10).

If more than 5 switches are required, the switch adapters may be daisy chained and will mount end to end and allow the switch spacing to be maintained. The switches do not carry the loads directly; they simply communicate information to the PMC CPU.

Since the switch indicator lights are programmable outputs, the indicators will operate based on logic instructions. For example, if an output is programmed to operate from more than one switch, the indicator lights for each switch can be programmed to come on when the output is on. Switch indicators could be made to flash or light steady depending upon variable conditions. This might be used if you program a load management feature and the load manager has shed the load.

3 POSITION ON OFF ON SWITCH

In some instances, it is desirable to use a 3 position switch. Typical applications would be a two speed fan or bright/dim lighting. In this case, a single switch location will require two inputs.

On the back of the switch adapter, connector J2 provides a means of connecting to the second switch contact on each switch. The first contact, on each switch is connected to inputs 1-5 on the adapter. When using an ON/OFF/ON switch, the second contact can now be brought to another input in the system. This input could be any high side input available in the system, such as an open input on a 00-00622-110 module. As an alternative you may have an unpopulated switch location on this or any other switch adapter. Connector J3 allows you to make connections to the inputs located on the switch adapter. The switch adapter inputs are high side inputs (+Battery Volts).

If a switch location is not populated, you may also use the unused indicator light output from that location to switch the ground side of another panel indicator light.

This module should be installed in a protected environment inside of the vehicle.

CARLING SWITCH CONTURA II SERIES

<table>
<thead>
<tr>
<th>Rocker Switch Function</th>
<th>12 Volt</th>
<th>24 Volt</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPST N.O. ON/OFF</td>
<td>V1D1A6B</td>
<td>V1B1A8B</td>
</tr>
<tr>
<td>SPDT ON/OFF/ON</td>
<td>V6D1A6B</td>
<td>V6B1A8B</td>
</tr>
</tbody>
</table>

Carling part numbers are not complete. Additional digits describe actuators, color, legends etc. Contact Carling for details.

*Carling Contura II Switches not included*
SPECIFICATIONS

General Connections

<table>
<thead>
<tr>
<th>Designator</th>
<th>Function</th>
<th>Connector</th>
<th>Mating Part #</th>
<th>Contact, Typical</th>
</tr>
</thead>
<tbody>
<tr>
<td>J1</td>
<td>PMC Link</td>
<td>4 Pin Amp Mate-N-Lok</td>
<td>1-480702-0</td>
<td>350919-3 for 14-18 AWG</td>
</tr>
<tr>
<td>J2</td>
<td>Switch Contact</td>
<td>5 Pin Amp Mate-N-Lok</td>
<td>1-480763-0</td>
<td>350919-3 for 14-18 AWG</td>
</tr>
<tr>
<td>J3</td>
<td>Input Channels</td>
<td>6 Pin Amp Mate-N-Lok</td>
<td>640585-1</td>
<td>350919-3 for 14-18 AWG</td>
</tr>
</tbody>
</table>

3 POSITION ON/OFF/ON SWITCH

EXAMPLE

A two position switch is placed in switch positions 1, 2 and 4. Position 3 has a 3 position switch and position 5 is not populated.

To bring the additional switch contact from switch 3 in as an input to the system, make a connection from J2-3 to J3-5.

Channel 5 on this module will now represent the second switch contact of switch 3.

If all switch positions are filled with a switch you could bring a wire from J2-3 to any high-side input on any module in the system.

EXAMPLE

A two position switch is placed in switch positions 1, 2 and 4. Position 3 has a 3 position switch and position 5 is not populated.

To bring the additional switch contact from switch 3 in as an input to the system, make a connection from J2-3 to J3-5.

Channel 5 on this module will now represent the second switch contact of switch 3.

If all switch positions are filled with a switch you could bring a wire from J2-3 to any high-side input on any module in the system.

Intellitec Multiplexing

PMC Rocker Switch Adapter

00-00842-012

12 Volt

SWITCH ADAPTER BACKSIDE

Intellitec PMC System