Intellitec
131 Eisenhower Lane N., Lombard, IL 60148
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## 5 Rocker Switch Direct Plug-In Adapter
00-00842-012/024 PMC Rocker Switch Adapter

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.

CHANNEL DESIGNATIONS
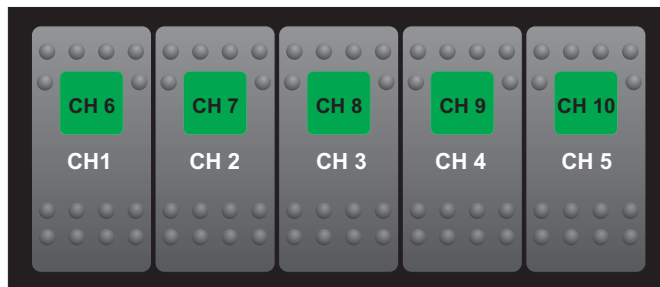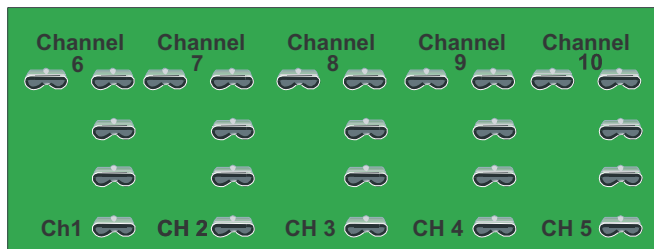
Switch spacing 1.00 Inches
Adapter Dimensions 5" x 1.5"

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

Rocker

Switch	Function	12 Volt	24 Volt
SPST N.O.	ON/OFF	V1D1A6B	V1B1A8B
SPDT	ON/OFF/ON	V6D1A6B	V6B1A8B

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

***Carling Contura II Switches not included**

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SPECIFICATIONS

General Connections

00-00842-012   12 Volt

00-00842-024   24 Volt

J1-1	+ Bat (from CPU)	18 awg Min
J1-2	SIG + (from CPU)	18 awg Min
J1-3	SIG - (from CPU)	14 awg Min
J1-4	Power Ground	14 awg Min

J2-1   SW1 Carling Terminal 1 (Used with SPDT center off switch)
J2-2   SW2 Carling Terminal 1 (Used with SPDT center off switch)
J2-3   SW3 Carling Terminal 1 (Used with SPDT center off switch)
J2-4   SW4 Carling Terminal 1 (Used with SPDT center off switch)
J2-5   SW5 Carling Terminal 1 (Used with SPDT center off switch)

J3-1   Input Channel 1
J3-2   Input Channel 2
J3-3   Input Channel 3
J3-4   Input Channel 4
J3-5   Input Channel 5
J3-6   No Connection

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.

Intellitec Multiplexing

PMC Rocker Switch Adapter
00-00842-012
12 Volt
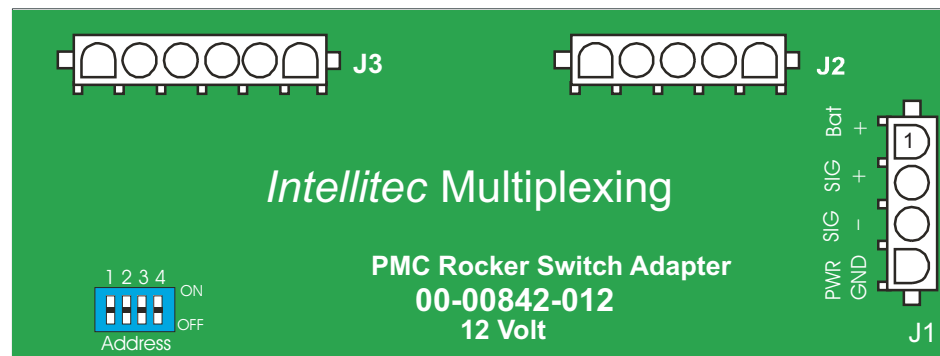
Pins J1-1, J1-2, and J1-3 from CPU

SWITCH ADAPTER BACKSIDE

MATING CONNECTIONS

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

MODULE SETTINGS

Module can be set for 1 of 16 addresses, A-P. Set four switches per table to the right.

X= Switch OFF

Dip SW 4 3 2 1	MODULE Address	Dip SW 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