

RV Smart Fuse Block

The **Intellitec RV Smart Fuse Block** is the most economical member of the **Intellitec** Multi-Point Switching family. It utilizes the proven Monoplex™ technology for communication between the switch panels and the Smart Fuse Block.

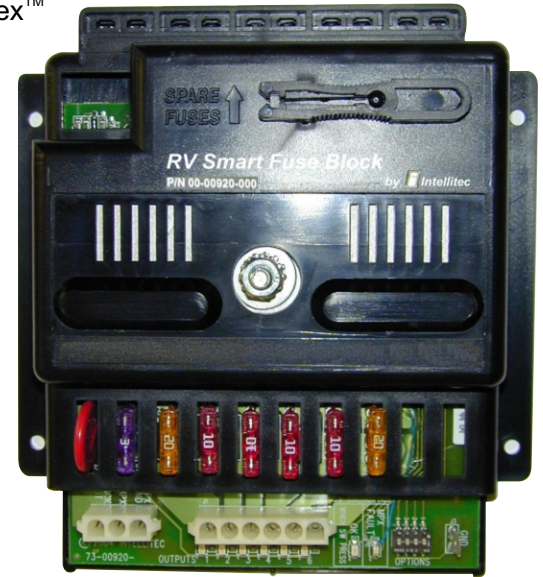
The **RV Smart Fuse Block** can control up to six loads. The loads can be configured for up to four, 10-amp dimmable loads, and two, 20-amp latching loads. The total output for the system is maximum 60 amps.

The **RV Smart Fuse Block** is available in a flush mount with all of the connections made from the rear, out of the consumers sight, or in a standard mount with the connections being made in the front. The fusing for the loads is housed in the fuse block.

The low cost switch panels have dedicated switches for each load. They may or may not be back lit based on customer preference. Wiring is made simple with either two or three wires, based on the back lighting option. The back lighting turns on when any one of the 4 Solid State outputs is turned on.



Switch Panel



Master

The operation of the system is simple and easy to understand. When the system is first powered up, all of the loads will be in the *off* state. Depressing one of the switches on any of the panels will turn *on* it's corresponding load. Another press of the switch will turn it *off*. If the load happens to be dimmable, the load will turn *on* to its previous brightness. To change the brightness, one merely holds down the switch and the brightness will slowly change from bright to dim and back again. When the desired brightness is achieved, the user releases the switch. When the switch is pressed again, it will turn off. The brightness can be set at any keypad allowing for the 3 way dimming, impossible in conventional wiring.

All of the solid state outputs are dip switch selectable to be either dimmable or not with the dimmable feature being selected as the factory default. To turn off the dimming feature for an output, turn off the corresponding dip switch.

In order to handle the situations of only one switch being needed in an area, Intellitec has developed a "Smart" programming link. Each output has a corresponding "Smart Link" which are all color coded. With the right Smart Link wired in series with any momentary switch and the MPX bus, it can communicate to the Smart Block and turn on any load or even be used as a dimmer.

Diagnostic LEDs are located on the printed circuit board next to the dip switch.

The first LED is marked "OK when SW pressed". The green LED will illuminate when one of the switches are pressed. This indicates that the Master is recognizing the switch closure. When the switch is released, the green LED will turn OFF.

The second diagnostic LED is marked "MPX Fault". This will illuminate red when the MPX line connected to the remote switch panels is shorted to ground, or connected to battery voltage.

If the battery voltage should drop below approximately 9V for longer than one second, then both the green and red LED's will flash. This will indicate the low voltage condition. All outputs will turn OFF in the low voltage condition.



Intellitec

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RV Smart Fuse Block

SPECIFICATIONS

Part Number	00-00920-000
Standby Current	Less than 7 Milliamps (12V @ 23°C)
Ambient Temperature Range	- 40° to +85°
Normal Input Voltage Range	9 to 16 volts
Max Current	60 amps
Reverse Battery Voltage Protection	
Automotive Load Dump Protection	

CONNECTOR PIN-OUTS

J1-1	Output 1	Max 20 Amps
J1-2	Output 2	Max 10 Amps
J1-3	Output 3	Max 10 Amps
J1-4	Output 4	Max 10 Amps
J1-5	Output 5	Max 10 Amps
J1-6	Output 6	Max 20 Amps
J2-1	Switch Back Lighting	Max 5 Amps
J2-2	MPX Communication bus	
J2-3	Communication Ground	

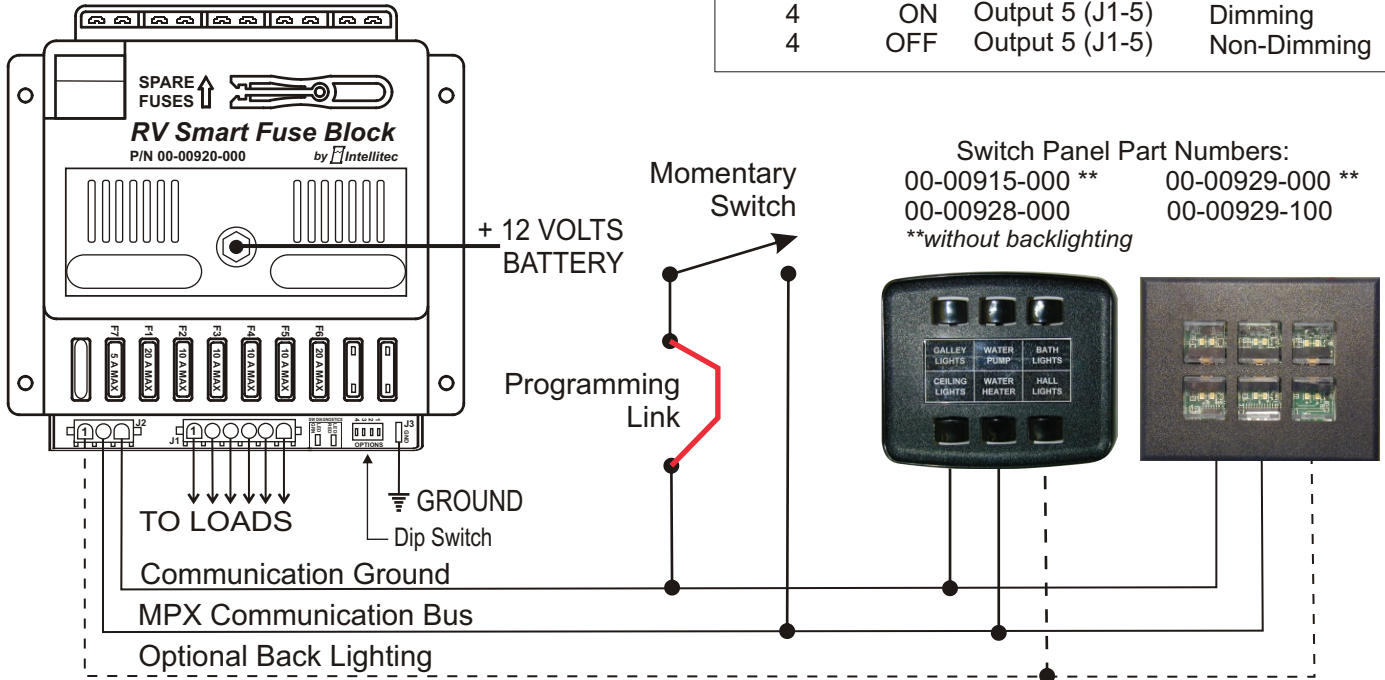
FUSES

F1	Relay Output	20 Amps
F2	Solid State Output	10 Amps
F3	Solid State Output	10 Amp
F4	Solid State Output	10 Amps
F5	Solid State Output	10 Amps
F6	Relay Output	20 Amps
F7	Panel Backlight	5 Amps

DIP SWITCH SETTINGS

Outputs can be set as dimming or non-dimming.
Set 4 dip switches per table.

Position	State	Output	Dimming/ Non-dimming
1	ON	Output 2 (J1-2)	Dimming
1	OFF	Output 2 (J1-2)	Non-Dimming
2	ON	Output 3 (J1-3)	Dimming
2	OFF	Output 3 (J1-3)	Non-Dimming
3	ON	Output 4 (J1-4)	Dimming
3	OFF	Output 4 (J1-4)	Non-Dimming
4	ON	Output 5 (J1-5)	Dimming
4	OFF	Output 5 (J1-5)	Non-Dimming



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