

RV Smart Fuse Block

Intellitec's **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.

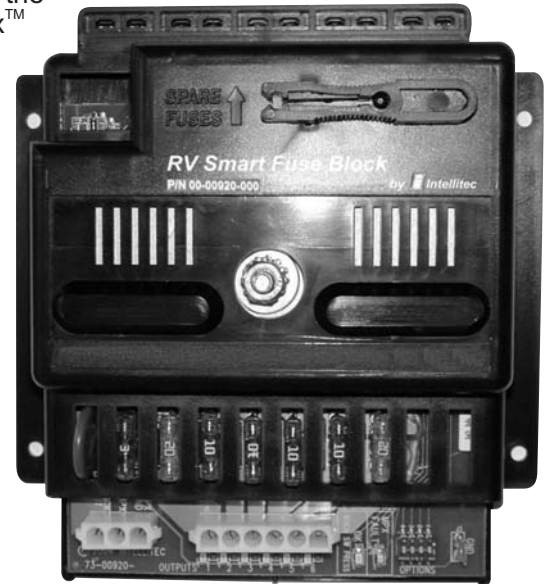
The **RV Smart Fuse Block** can control up to six loads. The loads can be configured for up to four, 10-amp dimmable loads, and two, 20-amp latching loads. The total output for the system is maximum 60 amps.

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

The low cost switch panels have dedicated switches for each load that may or may not be back-lit. If it is not back-lit, only two communication wires are required. The backlighting option is activated when any of the solid state outputs are turned ON.



Switch Panel



Master

System operation 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 its corresponding load. Another press of the switch will turn it OFF. If the load happens to be dimmable, the load will turn ON, returning to its previous brightness. To change the brightness, press the switch down and the brightness will slowly change from bright to dim and back again. When the desired brightness is achieved, the switch is released. When the switch is pressed again, it will turn OFF. Brightness may 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. They may be set to dimmable or not, with the dimmable feature being selected as the factory default. To turn the dimming feature on a specific output OFF, turn off the corresponding dip switch.

Intellitec has developed a "Smart" programming link for times when only one switch is required. Each output has a corresponding "Smart Link" that are 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 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 is pressed, indicating that the Master is recognizing the switch closure. When the switch is pressed again, 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 indicates a low voltage condition. All outputs will turn OFF in the low voltage condition.



Intellitec

131 Eisenhower Lane North
Lombard, IL 60148
630.268.0010 / 1.800.251.2408
FAX 630.916.7890

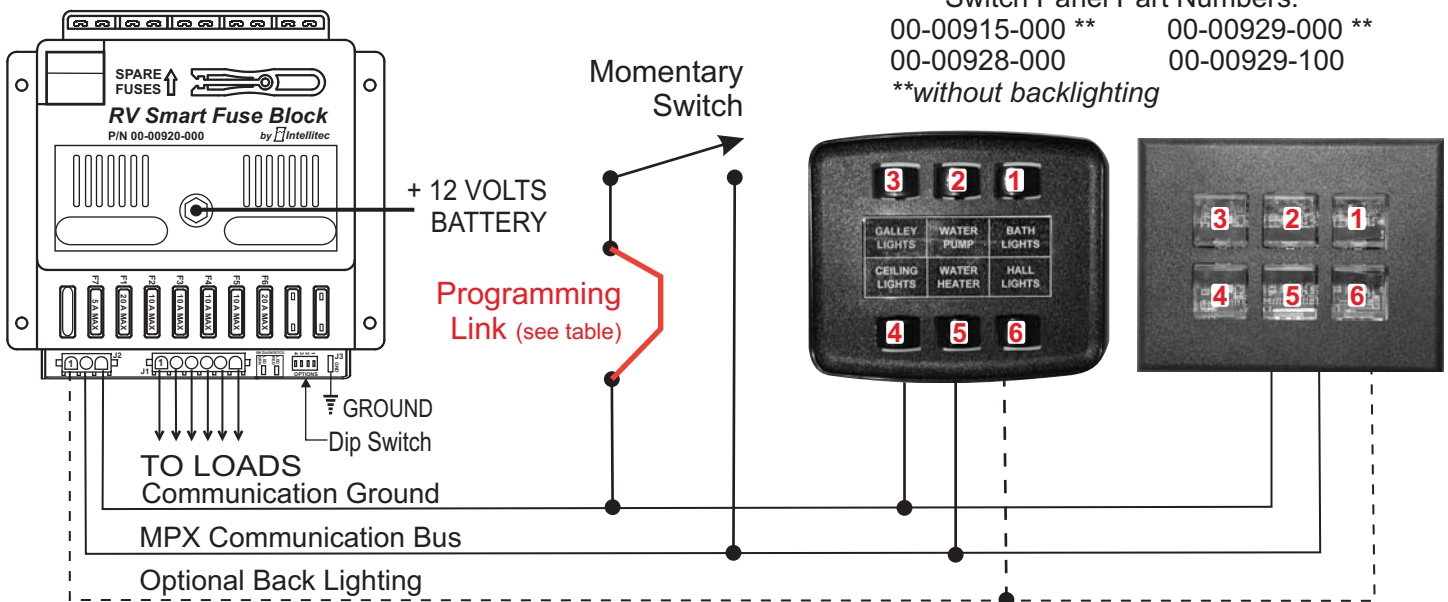
RV Smart Fuse Block

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/FUSES

J1-1	Relay Output 1	F1	20 Amps
J1-2	Solid-State Output 2	F2	10 Amps
J1-3	Solid-State Output 3	F3	10 Amps
J1-4	Solid-State Output 4	F4	10 Amps
J1-5	Solid-State Output 5	F5	10 Amps
J1-6	Relay Output 6	F6	20 Amps
J2-1	Switch Panel Back Lighting	F7	5 Amps
J2-2	MPX Communication bus		
J2-3	Communication Ground		



Programming Link Part #	Wire Color	Links to
11-00963-100	Brown	Switch 1
11-00963-200	Red	Switch 2
11-00963-300	Orange	Switch 3
11-00963-400	Yellow	Switch 4
11-00963-500	Green	Switch 5
11-00963-600	Blue	Switch 6

DIP SWITCH SETTINGS

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

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



Intellitec

131 Eisenhower Lane North
Lombard, IL 60148
630.268.0010 / 1.800.251.2408
FAX 630.916.7890

P/N 53-00920-000 Rev.D 092205



This manual is provided courtesy of **RV Tech Cheat Sheet**



Professional resources for the whole RV industry — free.

We put manuals, wiring diagrams and hard-won tech knowledge in every technician's hands, so repairs get done right the first time, techs work faster, and RV owners everywhere get better service.



rvtechcheatsheet.com/manuals

Find thousands more RV manuals, wiring diagrams and parts lists

RV techs: share fixes, ask questions and learn from each other.

Join our free Facebook group →



Follow proper safety practices. If in doubt, consult a professional RV technician.