

SMART FUSE BLOCK PLUS™

PRODUCT DESCRIPTION

The **SMART FUSE BLOCK PLUS™** is intended to be used in conversion vehicles. It provides fusing for the converter-added loads as well as relay controlled outputs for use with lighting and TV circuits. These relay outputs include timed and low voltage shut down features that are used to provide a number of customer pleasing features, such as:

Automatic Interior Light Delay - keeps the interior lights on for up to 12 seconds after closing the doors. They will go out immediately when the ignition is switched on. If the doors are left open, the lights will go out in twenty minutes.

Automatic OFF with the Ignition - the interior lights and TV/VCP turn off when the ignition switch is turned off.

Load Operation Without Keys - allows the interior lights and TV/VCP to operate without the insecurity of having the key in the ignition.

Automatic Timed OFF Function - when the loads are operated with the ignition off, they will be automatically shut off 20 minutes after they are turned on with a charged battery. If the battery is low, the loads will turn off in two minutes. After the shut down, the loads can be turned on again for an additional twenty minute period.

Automatic Low Voltage Shut Down - when the loads are operated with ignition off, the battery voltage is monitored. If the voltage goes below 12 volts, the loads will be shut off in 2 minutes, minimizing the risk of the loads fully discharging the battery.

Installation - this module is designed to work in all brands of vehicles. The module is mounted at the "B" pillar and gets its power from the OEM harness. Two wires are connected to the OEM dome light wires to provide the signal for the interior light delay. The van harness is plugged into the module which supplies all the power for the converter-added loads.

HOW IT WORKS

The **SMART FUSE BLOCK PLUS™** provides fusing *and* switching for all the converter-added loads. There are ten fuses on this block. Two of these fuses provide constant "hot" outputs that are to be used for loads such as power sofa, door locks, etc. Two other fuses provide ignition switched power for loads that should only be operated when the ignition is on, such as rear fan, radar detector, etc. Five other fuses feed relay-switched outputs. These are: Lights 1, Lights 2, Lights 3, Television, and Courtesy. The last fuse is used to feed the back lighting on the switch panel/s.

SWITCHED OUTPUTS

Four of the switched outputs are controlled from a remote switch panel, or panels if more than one is used. The switches are a momentary style operating as push on / push off function. These outputs can be used if the ignition is on or off. If they are ON when the ignition is turned off, they will automatically be turned OFF. If the outputs are used with the ignition OFF, they will power OFF automatically twenty minutes after they were turned on, to prevent them from accidentally discharging the battery. If the battery voltage is low, (below 12.1 volts), the lights will be turned off in two minutes instead of the normal twenty minutes. This signals the user that the battery is going dead and should be charged before further use.