

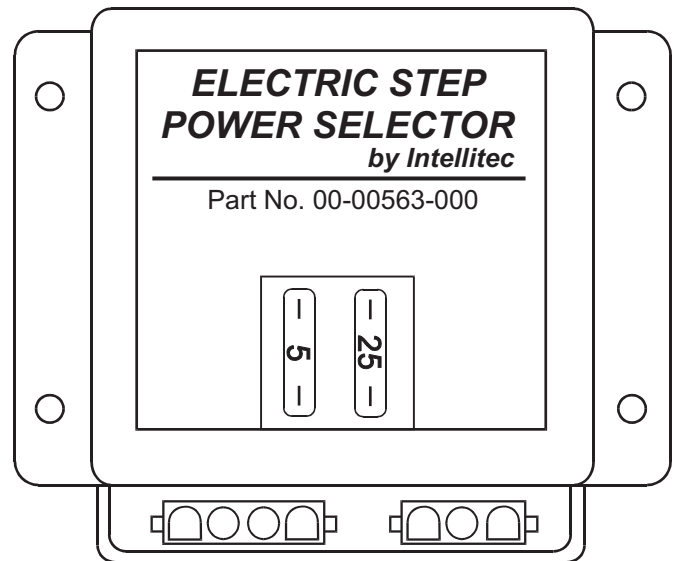
Step Power Selector

The **Electric Step Power Selector** is intended to be used on a motorhome to supply power to an electric step, such as a Kwikkee Step. Ideally, the electric step on a motorhome would be powered from the coach battery so that its use doesn't discharge the chassis battery. However, if the coach battery is dead or disconnected, the step will fail to operate.

To prevent this from happening, the Power Selector connects the electric step to both the chassis and coach batteries and selects the most appropriate battery to supply the power to the step. The coach battery supplies power most of the time, but when that battery is low or not available, the Power Selector automatically provides power to the step from the chassis battery.

The Power Selector operates by monitoring the voltage on the coach battery. As long as that voltage is above 11.2 volts, the power to the step will be supplied from the coach battery. If the voltage falls below 11.2 volts, the Power Selector will provide power to the step from the chassis battery. When the coach battery voltage rises above 12.1 volts, the Power Selector will again provide power to the step from the coach battery.

Whenever the ignition is on, the Power Selector will automatically supply the power from the chassis battery.



The Power Selector provides power to all three inputs (Step Power, Kill Switch, and Ignition) so that these levels are all compatible with the step control.

The power supplied to the step motor and kill switch is fused in the Power Selector to prevent damage to the wiring or step. The ignition output is protected electronically and does not require fusing. The main power has a 25 Amp fuse and the kill switch has a 5 Amp fuse.



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Step Power Selector

How Does It Work?

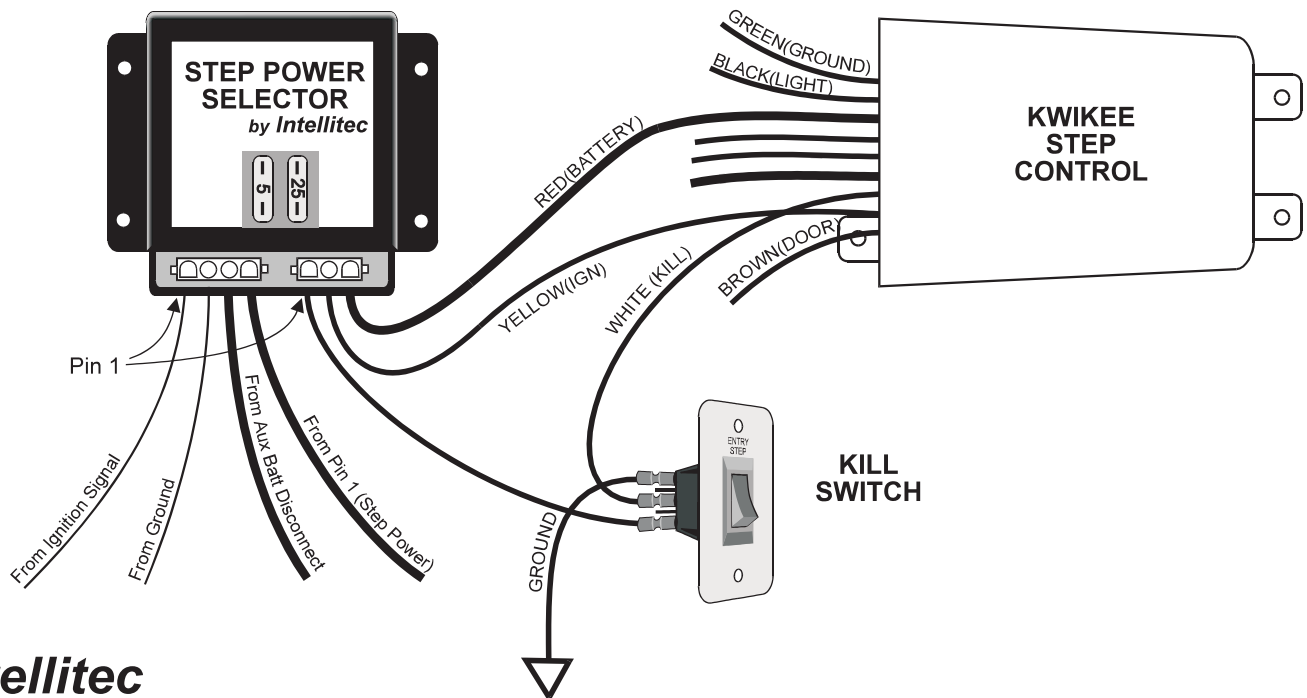
The Electric Step Power Selector supplies power to the electric step from the coach battery as long as it that battery power is available. It keeps the step's current draw from discharging the chassis battery. The Power Selector monitors the voltage on the coach battery. If the voltage falls below 11.2 volts, the Power Selector automatically switches and supplies power to the step from the chassis battery.

When the ignition is turned on, the Power Selector will always supply power from the chassis battery.

Specifications:

| | |
|--|-----------------------|
| Part Number: | 00-00563-000 |
| Standby Current: | Less than 2 milliamps |
| Ambient Temperature Range: | -40C to +85C |
| Normal Input Voltage Range: | 10 to 18 volts |
| Short Term Over Voltage Protection To: | +24 volts |
| Reverse Voltage Protection To: | - 300 volts |
| Positive Voltage Spike Protection To: | +150 volts |
| Operating Environment: | Out of direct weather |

System Connections:



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