

# SOLUTIONS

*you can count on*

## *School Bus Products*

**Wheelchair Lift Interlocks**

**Egress Lamp Timer**  
VCM-04.1  
Timer Delay Relay  
ON Delay - 15 to 10 Sec.  
InPOWER LLC  
Safford, Ohio USA  
www.inpowerllc.com  
LOT EN04050000

**Mirror Heater Timer**  
InPOWER  
the systems people  
Model VCM-05-03MA  
Timer Delay Solid State Relay  
On-Off (0 - 3 Min.)  
PROTECT FENDING  
InPOWER LLC  
www.inpowerllc.com

**Fast Idle Throttles**  
InPOWER  
the systems people  
ETMS2

**8-Lamp Flashers**  
Model 88FM  
8 Lamp Flasher  
Right Lamp Supply Bus  
Electronic Flasher/Chime  
InPOWER LLC  
www.inpowerllc.com

**Solid State Contactors Remote Battery Control**

**InPOWER**  
the systems people

## 8-LAMP WARNING LIGHT FLASHERS

These extremely robust and cost effective 8-lamp flashers provide the school bus standard sequential and non-sequential warning light functions. The red and amber lamp outputs can operate low current LED's or high current halogen lamps. The SBF-90 flasher utilizes Faston terminals and is a drop-in replacement for the Weldon 7000 flasher. The SBF-94 flasher utilizes an Amp connector and is a drop-in replacement for the Weldon 7000-1000 flasher.

## FMVSS WHEELCHAIR LIFT INTERLOCS & ELECTRONIC THROTTLES

InPower's ITM interlock product family provides the required FMVSS 403 platform lift interlocks for Ford E-Series vans, and Chevy/GMC vans and C4500/5500 chassis. These systems employ "plug and play" chassis interface harnesses. They are extremely reliable and very cost effective. System status/diagnostic LED indicators are included to aid system troubleshooting. InPower's interlocks work with Electronic Throttle Controls, which offer fast idle presets for increased engine power to efficiently run the wheelchair lift and other auxiliary equipment. Optional equipment: driver's display.

## VCM EGRESS LAMP & MIRROR HEATER TIMERS

The Vehicle Control Module (VCM) Family is a set of tools used to provide solutions for vehicle electrical system applications. For school buses, two such applications are an egress lamp timer and a mirror heater timer. These VCM units will activate immediately when its input is set. When the input is removed, the timer will start, and its output will shut off when the timer expires. This provides an instant on, delayed off function. Fixed and adjustable time values are available. Other VCM applications include low voltage disconnects, alternating flashers, latching relays, and other timers.

## SOLID STATE CONTACTORS

InPower's Solid State Contactors are available in single and dual switch configurations. Our dual *UltraSwitch* series products are ideal for use as a battery disconnect switch for two different loads, such as chassis circuits and body circuits. They contain two individually controlled high efficiency power switches that are available in capacities from 75 amps to 200 amps. The *UltraSwitch* disconnects are completely sealed and include fault shutdown protection for over current, low voltage, and short circuit conditions. Single contactors are ideal for shut-off of individual loads such as wheelchair lifts. Models range from 80 amp to 200 amp capacities.