

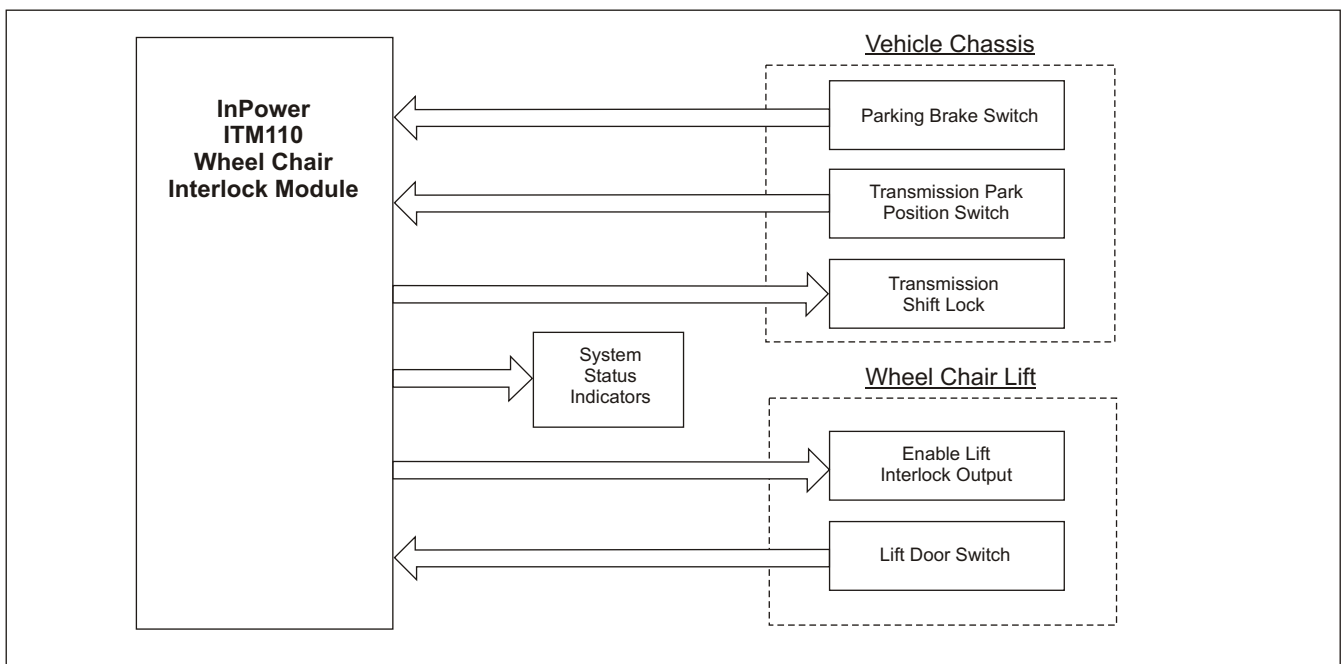
Wheel Chair Lift ADA Interlock Module



Key Features

- Meets Americans with Disabilities Act (ADA) Title 49 regulations for wheel chair lift interlocks.
- Designed for Ford E-Series *Econoline* vans.
- Wire harness with Amp connector.
- Compact size and convenient mounting tabs.
- Rugged anodized aluminum case.

System Diagram



Ford E-Series Chassis (Gas and Diesel)

The InPower ITM110 wheel chair interlock module is a completely electronic device that provides wheel chair lift interlocking functions for Ford E-Series vans and mini buses. The ITM110 interlock complies with the Americans with Disabilities Act (ADA) and 2004 FMVSS requirements for wheel chair lift interlocks.

The interlock requires that the parking brake is set, the transmission is in park position, and that the wheel chair lift door is open. It then sets the transmission shift lock and enables the wheel chair lift. When the wheel chair lift door is closed and the parking brake is released, the transmission shift lock is released to complete the cycle.

The ITM110 interlock provides both grounded and +12 volt outputs to provide maximum flexibility for interfacing to wheel chair lift systems. These outputs can also operate an interface relay for lifts that require a contact closure to supply wheel chair lift power.

The ITM110 interlock system is designed to allow the installation of operator indicator pilot lights to display the status of sensors such as parking brake, transmission park position, wheel chair lift door switch, as well as the interlock output that enables the wheel chair lift power. The interlock module also has a self-diagnostic feature that operates a remote pilot light.

ITM110 ADA Interlock Module

Specifications

Electrical

Input Voltage: 8 to 16 volts
 Output Current: See Input/Output Table

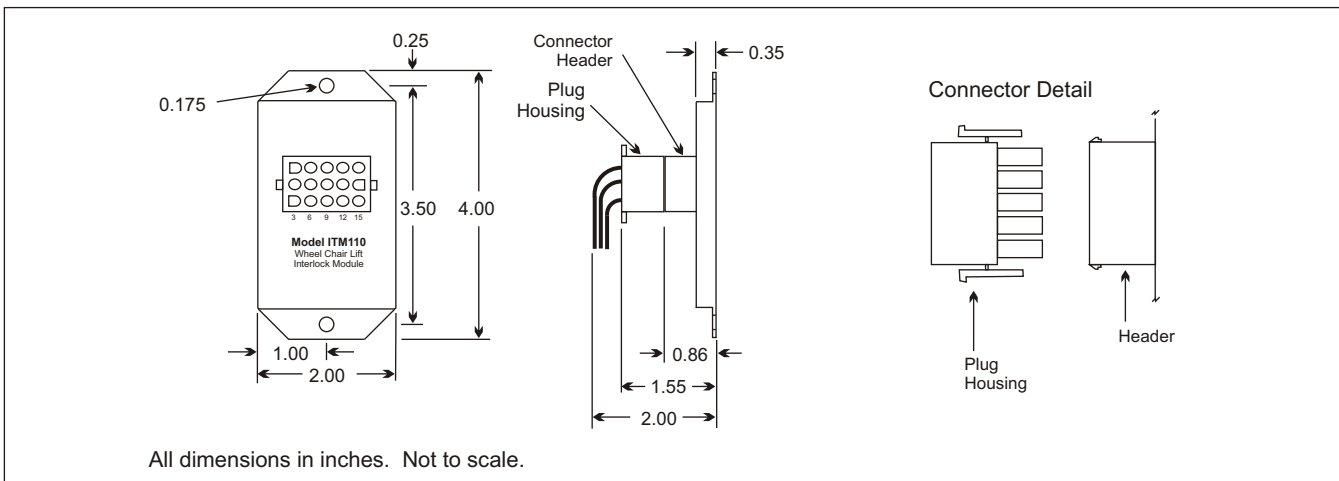
Mechanical

Weight: 0.15 lbs
 Case Material: Anodized Aluminum
 Operating Temperature: -40 C to +85 C
 Storage Temperature: -50 C to +85 C
 Connector System: Tyco/Amp Universal Mate-N-Lok
 Header (On ITM110): 15-pin (Amp p/n 350434-1)
 Plug Housing: 15-pin (Amp p/n 1-480710-0)
 Header Contacts: Male Pins (supplied with ITM110)
 Plug Housing Contacts: Female Socket (Amp p/n 350537-1 strip form)
 Reference: Tyco/Amp Catalog 82181
 Wire Harness: Amp connector (15-pin) at one end, blunt-cut wires at other end.
 White wire, type TXL, 18 AWG
 Black wire numbers every 6 inches (wire numbers are connector pin numbers)

Input/Output Table

Module Inputs		Module Outputs	
Module Terminal	Function	Module Terminal	Function
Park Position Switch 1	Ground in Park Position	Park Position Indicator	+12 V @ 0.2 amps - Park Indicator Light
Park Position Switch 2	Ground in Park Position	Enable Lift +12 Volts	+12 volts @3 amps - Enable Lift
Park Brake Switch	Ground when brake is set	Enable Lift Ground	Ground (2 amps max.) - Enable Lift
Lift Door Switch	+12 V when door is open	Shift Lock/High Idle	+12 V @ 3 amps - Lock Shifter & Set Fast Idle
Module Ground	Chassis ground	Diagnostic	+12 volts @ 3 amps - Diagnostic Indicator Light
Module Power	+12 Volts Ignition	Door Open Indicator	+12 volts @ 3 amps - Flashing Door Open Indicator Light

Mechanical Drawing



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Offered by: