

Platform Lift Interlock System



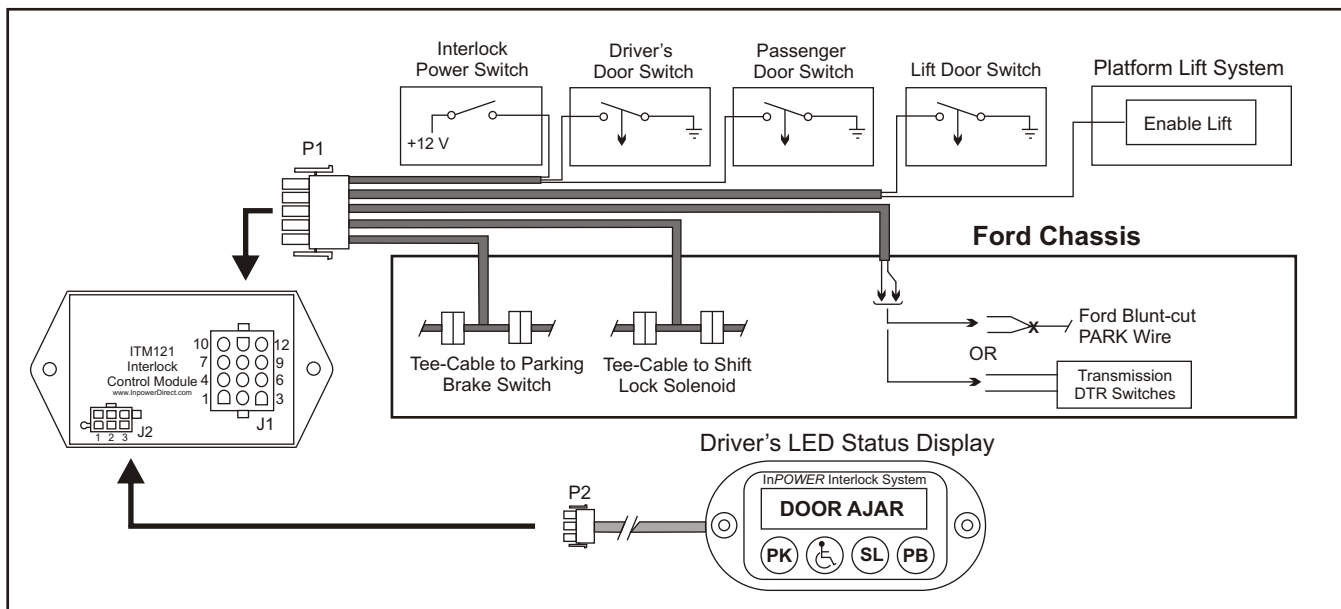
Vehicle interlock system for commercial type FMVSS 403 platform lifts installed on 2005 - 2008 Ford E-Series vans.

The ITM121 interlock system provides the required FMVSS 403 (S6.10.2) interlock functions for public use platform lifts installed in 2005 - 2008 Ford E-Series vans and cutaways. A “plug and play” Ford chassis wiring harness is provided, as well as blunt-cut wires for the connections to the platform lift, door switches, park sensors and power. The control module is a non-microprocessor design that uses robust solid state logic devices to provide an extremely high level of reliability. The interlock system’s Lift Enable output, rated at +12 V @ 10 amps, is directly compatible with current production platform lifts manufactured by Braun, Ricon and Maxon. A remote driver’s display includes a large two inch flashing Door Ajar indicator, as well as indicators for Park, Parking Brake, Shift Locked and Lift Enable. The door ajar indicator is activated from the lift door switch, the passenger door switch or the driver’s door switch.

Key Features

- Supports 2005-2008 Ford E-Series Vans
- Driver’s LED Status Display
- Complies with FMVSS 403
- 100% Solid State Construction
- Direct Interface to Braun, Ricon & Maxon Lifts
- “Plug and Play” Chassis Interface Harness
- Small Size for Under Dash Installation

System Diagram



ITM121 Wheel Chair Lift Interlock

Specifications

Module Inputs

Power Input:	+8 to 16 Vdc @ 12 amps. Requires a fused power source that is powered when the ignition switch is on.
Lift Door In:	From lift door closed switch (Ground when door is open/ajar)
Passenger Door In:	From passenger door closed switch (Ground when door is open/ajar)
Driver's Door In:	From driver's door closed switch (Ground when door is open/ajar)
Park 1 & 2:	Two wires from Ford Digital Transmission Range (DTR) sensor or Park blunt-wire (Ford SEIC/CAS)

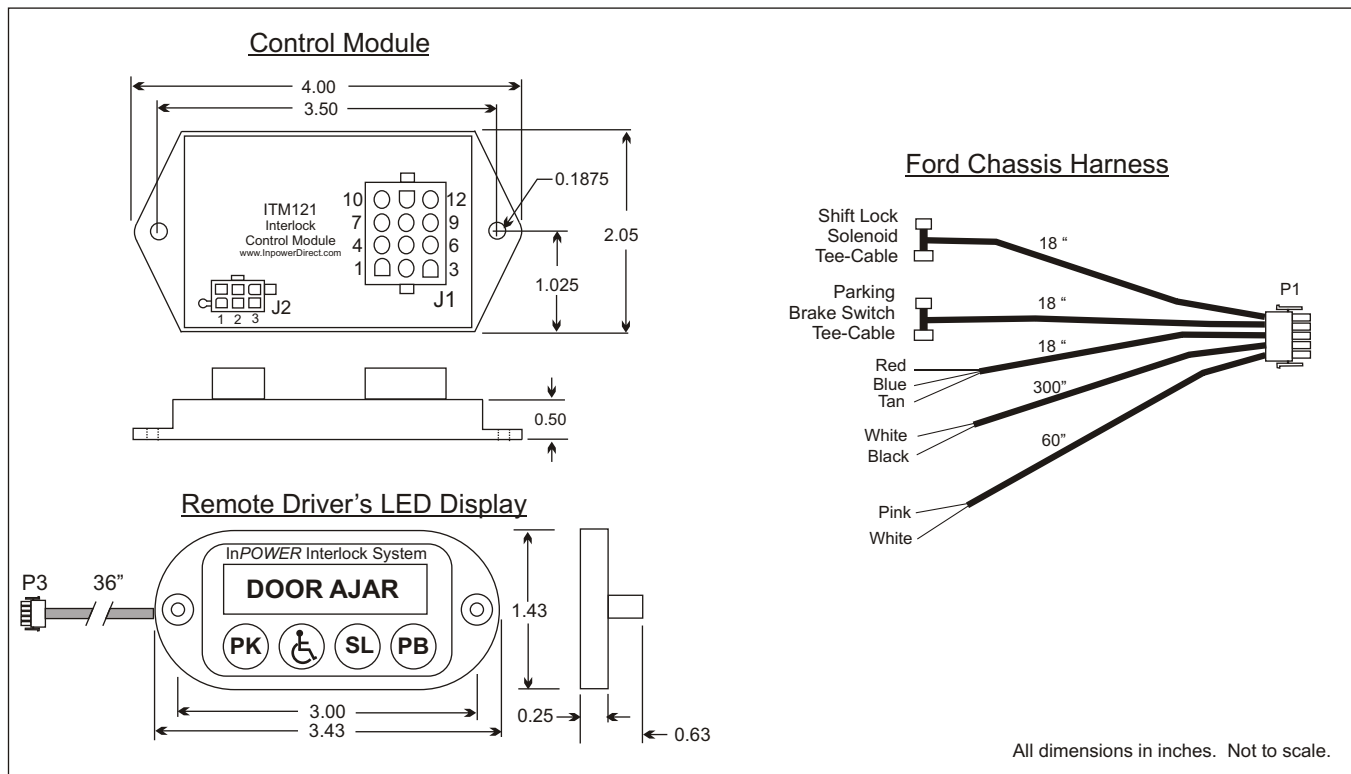
Module Outputs

Lift Enable:	+12 Volts @ 10 amps to allow platform lift operation
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Mechanical

Control Module:	
Weight:	0.17 lbs.
Operating Temperature:	-40° C to +85° C
Dimensions:	2.05"W x 4.00" L x 0.80" H

Mechanical Drawing



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