ITM154

Exterior Vehicle Platform Lift Interlock

RAM ProMaster Interlock Controller With Display

ITM RAM ProMaster Interlock System for Monitoring External Lift and Door with Display

Technical Description

InPower's ITM154 interlock system provides the required FMVSS- 403/404 interlock functions for public use platform lifts on Dodge RAM ProMaster Vans with gas engine. The ITM 154 System consists of an interlock control module, a Remote Display, easy-to-install cables, and a Park Position sensor.

The wiring harness includes:

3 blunt cut wires (72") for connecting the:

Platform lift system door switch (Violet)

12V power to the lift (Yellow)

Lift Stowed Wire which is +12V when true (Tan)

"T" cables for shift lock solenoid (20")

"T" cable for the shifter connector (22") that supplies power and ground to the system

Parking brake faston terminals (84")

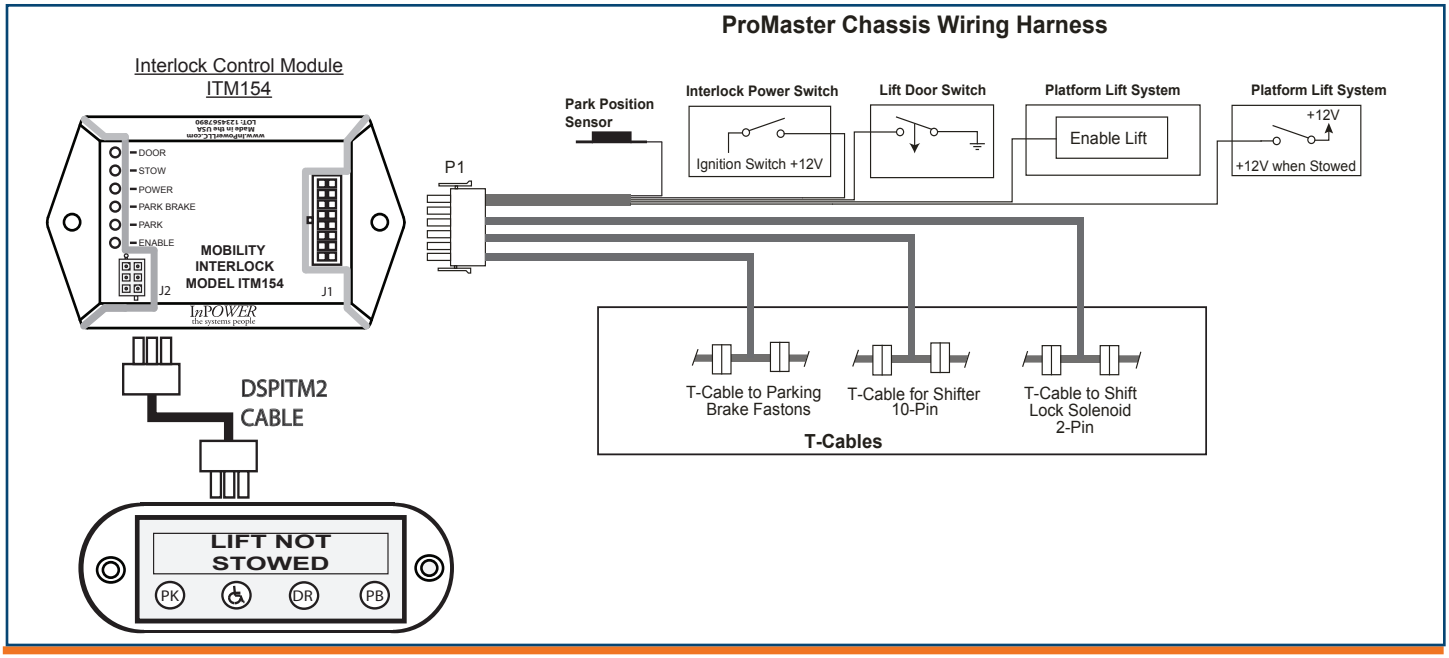
Park Position sensor and cable (30")

The control module has one 12 pin primary connector and six diagnostic status LED's (Door, Stow, Power, Park Brake, Park, Enable) to aid in system troubleshooting. The interlock system provides +12V @ 1.8 amp to enable the platform lift to be operated.

Key Features

- Supports Dodge RAM ProMaster (gas Engine) 2014+
- Status / Diagnostic Indicators
- Dashboard Display with Indication of Lift Not Stowed (and other Status)
- Complies with FMVSS 403/404 regulations
- Monitors Lift Door Ajar and sets shiftlock during lift operation
- T-Cables provided for shift Interlock and Power Ground Connections
- Compatible with Braun, Ricon, and Maxon Lifts

System Diagram



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Specifications

Module Inputs

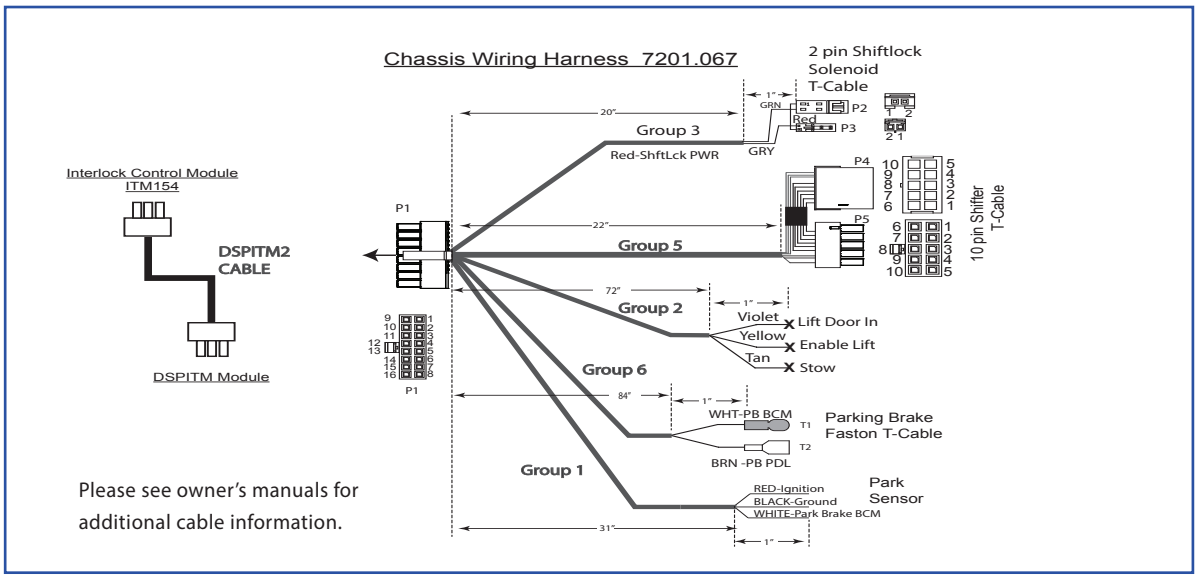
Power Input:	+8Vdc to 16 Vdc @ 5 amps
Lift Door Open:	Ground when Lift door is Open (Violet) - Customer Supplied Pin Switch
Lift Stow:	+12 when Stowed, Open Circuit when deployed (Tan)

Module Output

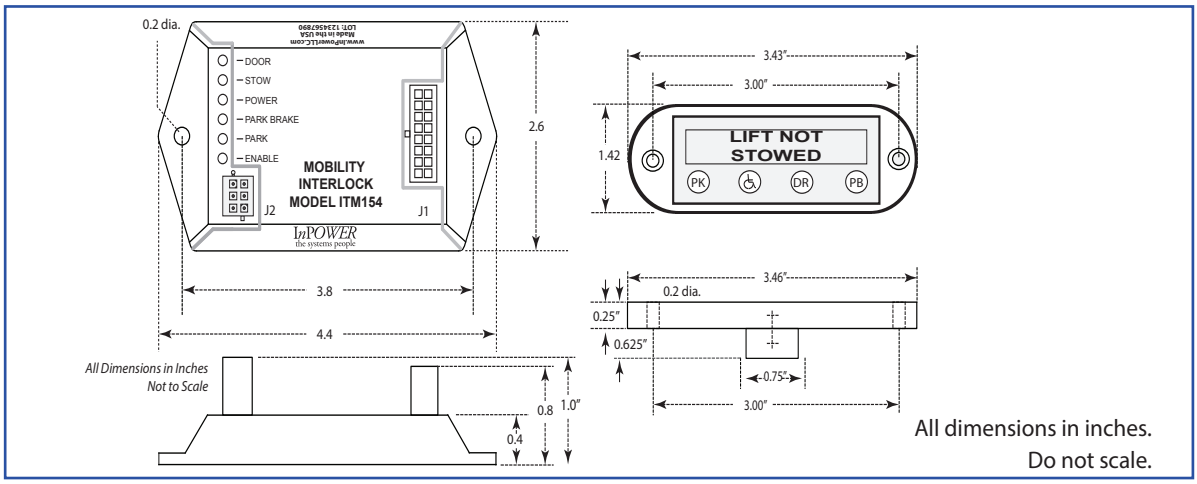
Lift Enable:	+12V @ 1.8 amp to allow platform operation. (Yellow)

Mechanical	Interlock Module	Interlock Display
Dimensions:	4.4"L X 2.6"W X 1" H	3.43"L X 1.42"H X 0.625"H (with 0.6" connector)
Weight:	0.19 lbs	
Operating Temperature:	-40 degreeC to +85" C	

Harness Diagram



Mechanical Drawing



All dimensions in inches.
Do not scale.

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