

ITM129-T20 & ITM129ADL-T20

2020+Ford Transit Platform Lift Interlock



Ford Interlock system for monitoring platform lift door and up to four auxiliary doors.

Technical Description

InPower's Models ITM129/ITM129ADL-T20 interlock systems provide the required FMVSS 403/404 interlock functions for public-use platform lifts installed in Ford Transit chassis. The system consists of a combined driver's display and control module as well as an easy-to-install plug-and-play chassis wiring harness.

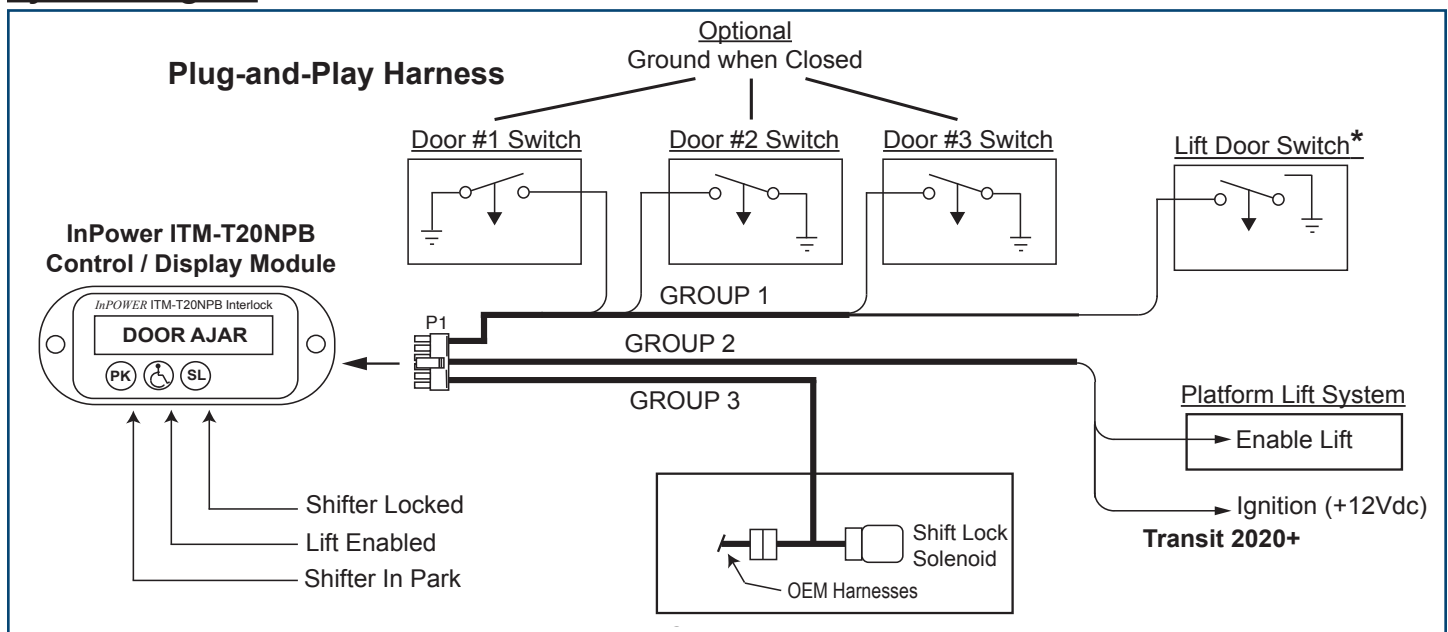
The wiring harness includes a set of blunt cut wires for connecting to the platform lift system door switches and 12 volt power and T-cables for interfacing with the Ford shift lock solenoid, park signal and parking brake switch. The interlock's Lift Enable output is rated at +12 volts @ 1.8 amps, and it is compatible with current production platform lifts manufactured by Braun, Ricon and Maxon.

The driver display includes a two-inch flashing Door Ajar indicator as well as indicators for Park, Park Brake, Shifter Locked and Lift Enabled. The interlock monitors the lift door and up to four auxiliary doors. With the standard ITM129 model, if any of these doors are not fully closed, the display's Door Ajar indicator will flash. Only the lift door input will set the shift lock. With the ITM129ADL, if any door is not fully closed, the Door Ajar indicator will flash and the shift lock will set.

Key Features

- Supports Ford Transit Chassis
- Combined Driver Display and Control Module
- Works for both rear and side doors
- Status / Diagnostic Indicators
- Monitors up to Four Door Switches plus Lift Door
- Plug-and-Play Wiring Harness
- Direct Interface to Platform Lift Systems

System Diagram



Specifications

Module Inputs

Power Input:	Power and ground are obtained from Shifter T-Harness
Rear Lift Door* In:	From lift door closed switch. Ground when door is Closed. (Blunt-cut Violet)
Side Lift Door* In:	From lift door closed switch. Ground when door is open/ajar. (Blunt-cut Tan)
Side Door* In:	From side door closed switch. Ground when door is open/ajar. (Blunt-cut Orange)
Door #1 or Rear Door* In:	From Door #1 closed switch. Ground when door is closed. (Blunt-cut Blue)
Door #2 In:	From Door #2 closed switch. Ground when door is closed. (Blunt-cut Blue)
Door #3 In:	From Door #3 closed switch. Ground when door is closed. (Blunt-cut Blue)

* Lift may be installed on either the side door or the rear door. When installed in the side door, use the Tan wire for the lift door and one of the Blue wires for the rear door. When installed in the rear door, use the Violet wire for the lift door and the Orange wire for the side door.

Module Output

Lift Enable: +12 volts @ 1.8 amps to allow platform switch operation. (Blunt-cut Yellow)

Mechanical

Dimensions:	3.50 W x 1.50 H x 0.56 D inches
Weight:	0.15 lbs
Operating Temperature:	-40° C to +85° C

Please see owner's manual OM-190 for the ITM129 and ITM129ADL for detailed cable information.

Mechanical Drawing

