

# Wheel Chair Lift Interlock

**Intellitec's Wheel Chair Lift Interlock** is an electronic device designed to provide the interlock functions needed to prevent the operation of a wheel chair lift; unless the transmission is in park, the parking brake is set and the lift door is open. When all of these three conditions are true, the controller provides power through a 10amp resetable circuit breaker to the lift relay, allowing the lift to be operated.

If the wheel chair lift door is open, the relay contacts that are wired in series with the vehicles shift lever solenoid will open and lock the lever in the park position. The wheel chair doors must be closed to move the shifter from the park position.

In addition to the interlock functions, the **Wheel Chair Lift Interlock** control provides a 12 volt relay output with a resetable 10 amp circuit-breaker to operate additional dome lights. When 12 volts is supplied to the dome light input, 12 volts is provided by a relay in the controller to the dome light output.



Approximate size:  
4 5/16 X 3 3/4 X 1 5/16

In the event that the lift interlock needs to be bypassed, the control features a push-button for emergency bypass. If the push-button is pressed, the interlock will remain "latched off" until the ignition is turned off.

Five LED's are located on the controller for diagnostic purposes. The first, indicates that the lift interlock has been bypassed; the second, that the lift door is open; the third, the transmission is in park and the fourth indicates that the parking brake is set.



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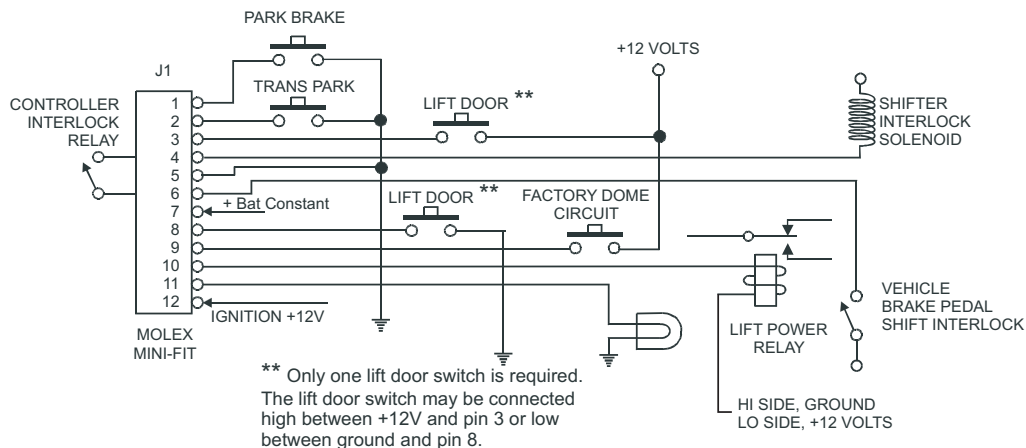
# Wheel Chair Lift Interlock

Wheel Chair Lift Interlock      Part Numbers 00-00743-000 HI SIDE  
00-00743-050 LO SIDE

Connections:      Inputs and outputs  
12-pin Molex Mini-Fit Jr.      Molex 87427-1202  
Harness Connector      Molex 39-01-2120  
Harness Crimp Terminal      Molex 5556

Connector (J1)	Pin	Description
	1	Park Brake Switch Input
	2	Transmission Park Switch Input
	3	+ 12V Lift Door Switch Input **
	4	Relay contact for Shift Interlock Solenoid
	5	Ground
	6	Relay contact for Shift Interlock Solenoid
	7	12V Battery Constant
	8	Gnd Lift Door Switch input **
	9	Factory Dome Circuit input
	10	Lift Ground Output
	11	Dome Light Output, 10A max - Circuit breaker protected
	12	12V Ignition input

## TYPICAL CONNECTION:



**Note:** The trans park input switch must be added to the vehicle so that the switch is in the closed position when the transmission is in park. For example, on a Ford E450, a switch bracket may be attached under the dash to interface with the shift indicator arm. (Contact Intellitec for details)



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