

PURKEYS

DELIVERY TRUCK ALARM

INSTALLATION GUIDE





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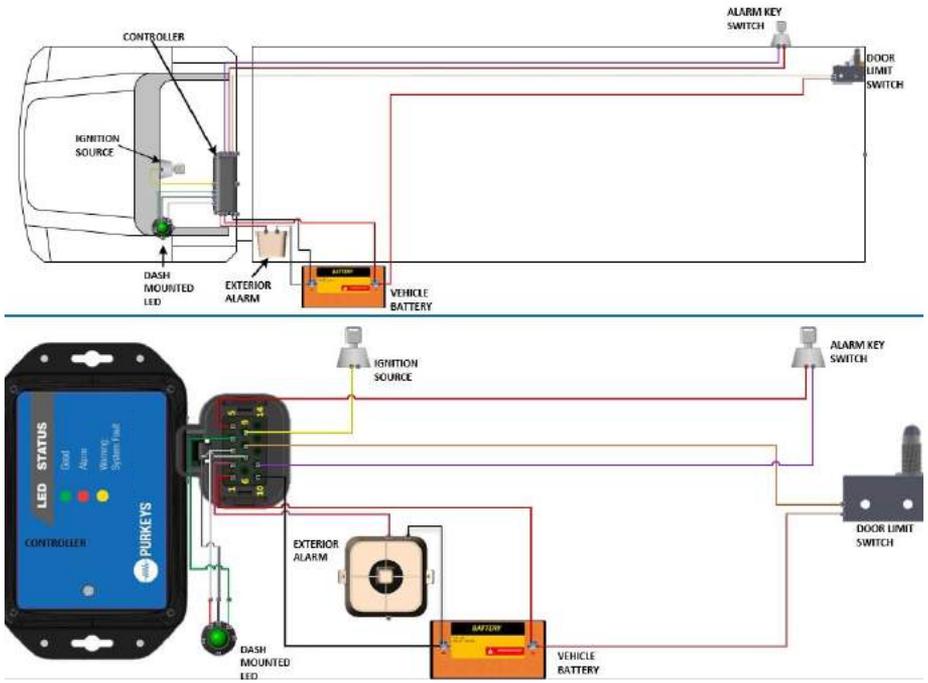
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GENERAL INFORMATION

The Purkeys SafeFreight delivery truck alarm system provides an audible alarm if the roll-up door on a vehicle is opened without authorization.

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DIAGRAM



MODULE INSTALLATION

Step 1: Locate a spot behind the driver seat to mount the control module.

Step 2: Use mounting screws to fasten the module to the truck.



Installation Complete.

MAIN HARNESS ROUTING

Step 1: Lift up the door trim that runs along the driver door.



Step 2: Begin routing the harness under the seat belt, along the track where the door trim will be replaced back and through behind the kick panel of the truck.



Seat Belt

Kick Panel

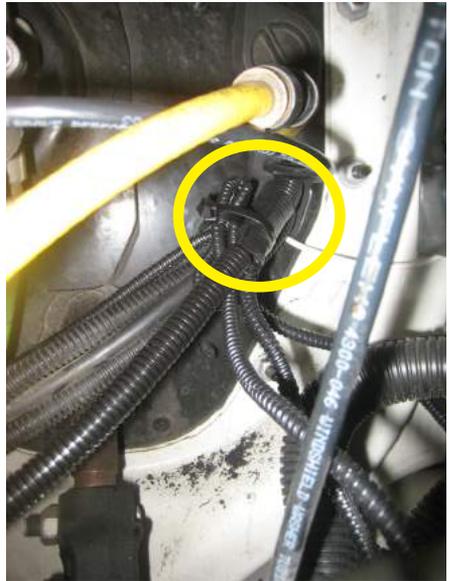
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Step 3: All wires with exception of the LED wires and Ignition wire will travel through the firewall.



LED Wires

Ignition Wire



Harness pushed through firewall grommet already on truck.

Installation Complete.

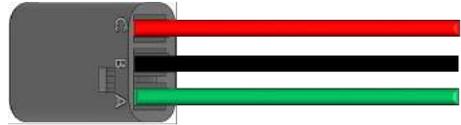
LED/IGNITION INSTALLATION

Step 1: Locate a spot on the dashboard of the vehicle where the driver can see the LED, but not be distracted by it while driving. Drill an appropriate hole to place the LED.



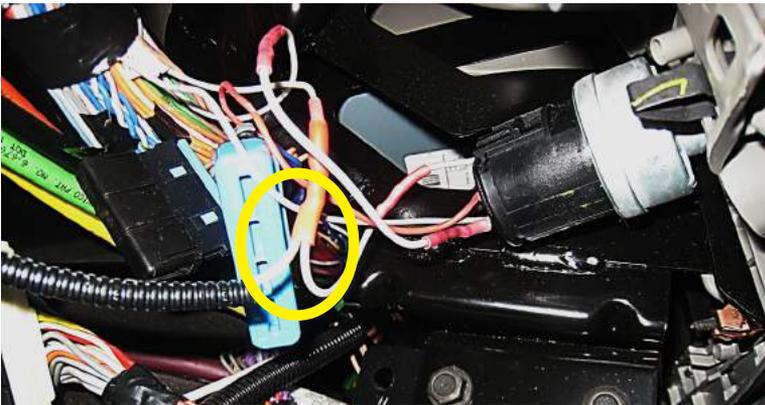
Step 2: Plug the LED wires into the connector as shown.

- A - Green
- B - Black
- C - Red



Step 3: Identify a good ignition source by identifying a wire that gets power AFTER the vehicle key is placed in ignition/on position.

Step 4: Splice the wire labeled Ignition from the main harness to the wire found from previous step.



Yellow ignition wire spliced into ignition switch.

Installation Complete.

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12 VOLT POWER AND BUZZER INSTALLATION

Step 1: Connect the two wires from the main harness that are labelled Module Power, to the closest battery power and ground sources available. Make sure to route wires out of the way of moving parts.



Step 2: Mount the buzzer in a location outside the truck that is between the truck cab and the truck battery box.



Step 3: Connect the buzzer ground to the truck battery ground and the positive to the main harness (quick connector).

Installation Complete.

MAIN HARNESS/SENSOR POWER ROUTING

Step 1: Take the jacketed two-conductors and connect one end to the truck batteries. Remove fuse from fuse holder until after installation of the door sensor. After doing so, take the conductor and group it with the wires that are left to be routed from the main harness (key switch wires, and door sensor wire).

Step 2: Route the wires down the channel of the truck. Wire tie with existing wires or fasten wires with provided clamps. Avoid sharp edges.



Installation Complete.

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KEY SWITCH INSTALLATION

Step 1: Find a good spot on the side of the truck near the back where the door access key will be installed.

Step 2: Drill a hole that the key switch can be mounted through.



Step 3: Install the key switch in the hole.



Installation Complete.

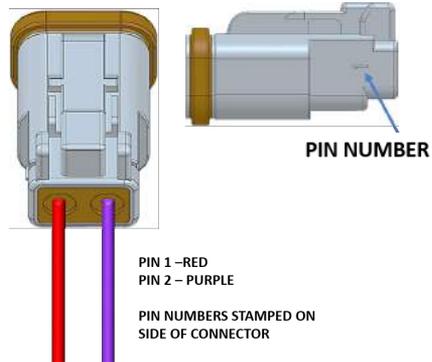
KEY SWITCH/DOOR SENSOR WIRING

Note: **All wires have been preterminated to eliminate crimping.** Extra terminals have been supplied in case terminals are damaged during wire/cable routing.

Step 1: If wiring was routed from inside of the box of the truck, bring the wiring down to the bottom of the box. There is a red wire, purple wire, and orange wire, in addition to a two-conductor cable with red and black wires for the door sensor. If wiring was routed outside of the box truck all the way to the back, a hole will need to be drilled in the area described (very back of the box by the door rail).



Step 2: The red and purple wires should have the mating connector to the key switch added (wires have been preterminated). Then connect the two connectors together. Use supplied clamps to reinforce routing of wire.



Installation Complete.

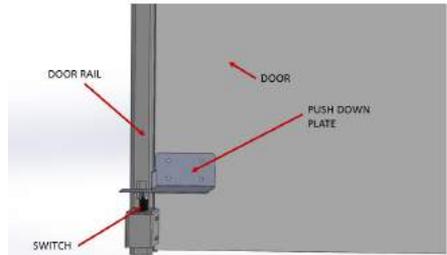
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DOOR LIMIT SWITCH

Step 1: Find a suitable location to mount the Limit Switch. The design is made to accommodate having a switch mounted at the bottom of the door, but the switch can be mounted anywhere.

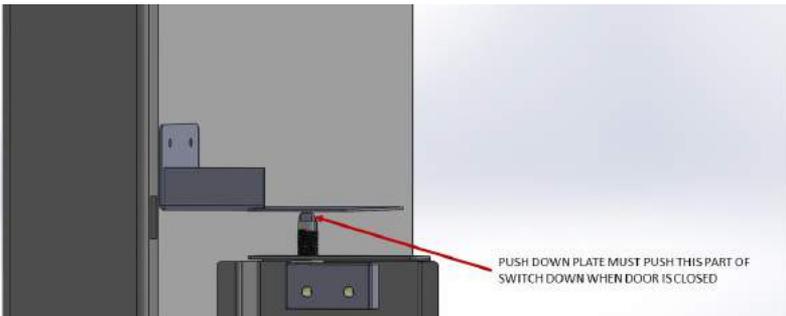
Step 2: Mount the Limit Switch with the bracket.

Step 3: Locate and position the press-down plate in a location of the door where the plate will push the switch down when the door is closed. Mount the press-down plate to the door of the truck.



Note: The push-down plate should rest on switch with the door closed enough to push the circular knob down into the switch.

Step 4: Open and close the door multiple times. Verify that the spot located in the picture below is pressed down onto the switch when the door is down. Adjust as needed.



Step 5: Crimp the orange wire from the main harness to the orange wire on the door switch. Crimp the red wire from the black conductor to the red wire on the door switch. Solder and heat shrink each connection.

Installation Complete.

LED/Alarm Status		Logic	
		Inside Cab	Outside Cab
	Green LED blinking		Green light blinking
Default OKAY Conditions:			
			Ignition Off
			Door Access Key..... Armed
			Door (sensor)..... Closed
			Siren Status..... Okay
			Door Sensor Status..... Okay
	Buzzer warning		Alarm Conditions: Door Open without Door Access Key
			Ignition Off
			Door Access Key..... Armed
			Door (sensor)..... Open
			Siren Status..... Okay
			Door Sensor Status..... Okay
	Green LED blinking		Cargo Loading Conditions: Okay
			Ignition Off
			Door Access Key..... Disarmed
			Door (sensor)..... Open
			Siren Status..... Okay
			Door Sensor Status..... Okay

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LED/Alarm Status		Logic	
 Buzzer warning	 Alarm siren sounds	Alarm Conditions: Ignition On while Door is Open Ignition On Door Access Key On or Off Door (sensor) Open Siren Status Okay Door Sensor Status Okay	
 Red LED flashing	 Red light flashing	Siren Hardware Error: Ignition Off Door Access Key Armed Door (sensor) Closed Siren Status Error Door Sensor Status Okay	
 Yellow LED blinking	 Yellow light blinking	Door Sensor Hardware Error: Ignition Off Door Access Key Armed Door (sensor) Closed Siren Status Okay Door Sensor Status Error	
 Yellow LED blinking	 Yellow light blinking	Door Sensor Hardware Error: Ignition Off Door Access Key Armed Door (sensor) Closed Siren Status Okay Door Sensor Status Error	

LED/Alarm Status		Logic
Inside Cab	Outside Cab	
<p>Note: Alarm Condition and Alarm outputs are unchanged by hardware error detection. However, when no alarm condition is present, the LEDs indicate the hardware error condition with blinking yellow lights.</p>		
 Solid green LED	 Solid green LED	Truck ignition is on, door is closed, and the door access key is armed.

For normal door access:

1. Turn the ignition off
2. Turn door access key to disarmed
3. Open the door

To secure the door:

1. Close the door
2. Turn door access key to armed
3. Turn the ignition on

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PART LIST

Part # 800-23

Harness, Main for SafeFreight Alarm System



Part # 800-24

Bag Kit, SafeFreight Alarm System Terminal/Connectors



Part # 800-25

Harness, Door Sensor Power and Ground



Part # 800-26

Assembly, SafeFreight Buzzer with Pigtail Power and Ground



Part # 800-27

Assembly, Keyswitch for SafeFreight Alarm



Part # 800-29

Assembly, Dashboard LED for SafeFreight Alarm



Part # 800-80

Module, SafeFreight



Part # 800-100

Sub Assembly, SafeFreight Plunger Style Limit Switch w/Wires and Brackets



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Part # 800-106

Bag Kit, SafeFreight Cable Routing
and Mounting



Part # 300-6

Guide, Installation, Delivery Truck
Alarm System



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300-6Rev 2011

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LIMITED COMMERCIAL WARRANTY POLICY

Purkeys Fleet Electric, Inc. (hereafter “Purkeys”), warrants each product to be free of defects in material or workmanship under normal use and service. This warranty is for the benefit of Original Equipment Manufacturers, Dealers, Warehouse Distributors, Fleets, or other End Users (hereafter “Customers”) and covers products manufactured by Purkeys and sold new to Customers either directly by Purkeys or by its authorized dealers, distributors, or agents. The length of the Warranty Period is 36 months.

The warranty period commences on the in-service or install date and is not transferable. Failure to provide the in-service or install date on the warranty claim form will cause the warranty period to begin on the date the part was manufactured or date of sale recorded on the original sales invoice, whichever is earlier.

A completed warranty claim form should accompany all parts submitted to Purkeys for consideration for repair or replacement under warranty. The submitted claim form should contain all of the information required. Lack of a properly or fully completed claim form will result in delay or denial of warranty claim. Claims must be submitted no later than 30 days after part is removed.

This warranty does not apply if, in sole judgement of Purkeys, the product has been damaged or subjected to accident, faulty repair, improper adjustment, improper installation or wiring, neglect, misuse, or alteration or if the product failure is caused by defects in peripheral vehicle components or components attached to the Product or failure of a part not manufactured by Purkeys.

This warranty shall not apply if any Purkeys product is used for a purpose for which it is not designed or is in any way altered without the specific prior written consent of Purkeys. ANY Product alleged by a Customer to be defective must be inspected by Purkeys as a part of the warranty claims process in order to confirm that the part has failed as a result of a defect in material or workmanship.

Transportation for products and parts submitted to Purkeys for warranty consideration must be prepaid by Customer. Repaired or replaced products and or components will be returned to Customer pre-paid by Customer or “freight collect” to the address provided by Customer in the warranty claim form. No charge will be made for labor or material in effecting such repairs.

The Warranty provided by Purkeys hereunder is specifically limited to repair or replacement of the Product as Purkeys deems most appropriate in its sole discretion. Purkeys neither assumes nor authorizes any other person to assume on its behalf any other warranty or liabilities in connection with Purkeys products. The Warranty does not apply to fuses or other “consumable” or maintenance items which are or may be a part of any Purkeys product.

THIS WARRANTY DOES NOT APPLY TO LOSS OF VEHICLE OR EQUIPMENT, LOSS OF TIME, INCONVENIENCE, OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. PURKEYS SPECIFICALLY DISCLAIMS AND SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES arising out of or from the use of Purkeys products by the Customer.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, INCLUDING COMMON LAW WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, AND ANY OTHER EXPRESS OR IMPLIED WARRANTIES. ALL OTHER SUCH WARRANTIES ARE SPECIFICALLY DISCLAIMED.

This Limited Commercial Warranty supersedes all previous Warranty Policies issued by Purkeys and any of its suppliers.

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