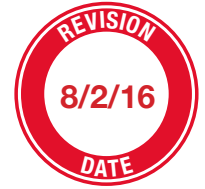


TECHNICAL SUPPORT

ELECTRONICS



PLEASE NOTE

As of March 1, 2016 Mytee is no longer using the E370 and E370A vacuum level shut-off controllers and the E373 float switch in Speedster® and Speedster® LTD machines.

Introduction

Mytee's machines use electronic circuit boards to control a variety of functions, including vacuum shutoff, indicator lights, and pump-outs.

Although not water proof, these circuit boards are sealed with a potting compound which helps them resist moisture and corrosive agents as well as resisting shock and vibration.

IMPORTANT: When working with the wiring in your machine, remember to **unplug the machine before you begin working.**


Important Terminology

- The **hot wire** provides a 120V current source. In 115V machines there will be one hot wire per power cord. In *230V machines* there will be two hot wires per power cord.
- The **neutral wire** provides the return path for the current provided by the hot wire. There is no neutral wire in *230V machines*.

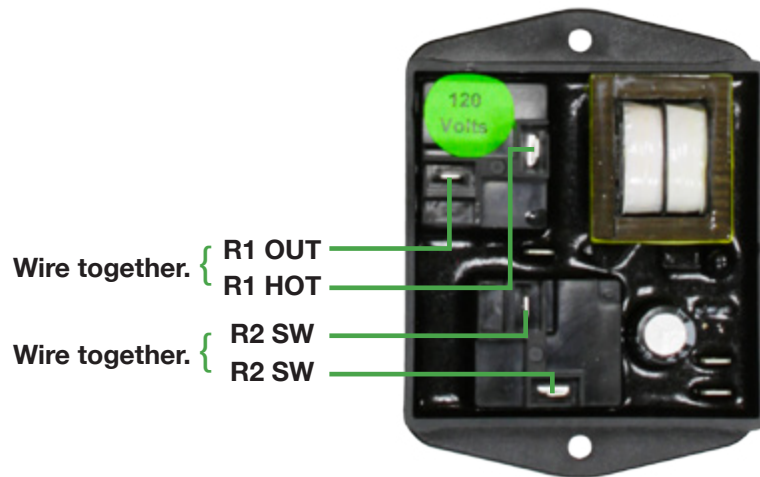
General Troubleshooting

Problem:	Possible Causes:	Solutions:
Circuit board isn't working.	The board has gotten wet, causing it to short internally.	Replace the board.
	Loose terminals.	Make sure terminals are connected tightly.

How to Bypass Vacuum Level Shut-Off Controller (E370)

 This task should only be performed by a qualified electrical repair person.

IMPORTANT: If both vacuum motors are not turning on, it is likely there is a problem with the control board. Try to bypass it as shown below.



Step 1: Remove wires from box labelled "R1 OUT" and "R1 HOT" and attach these two wires together.

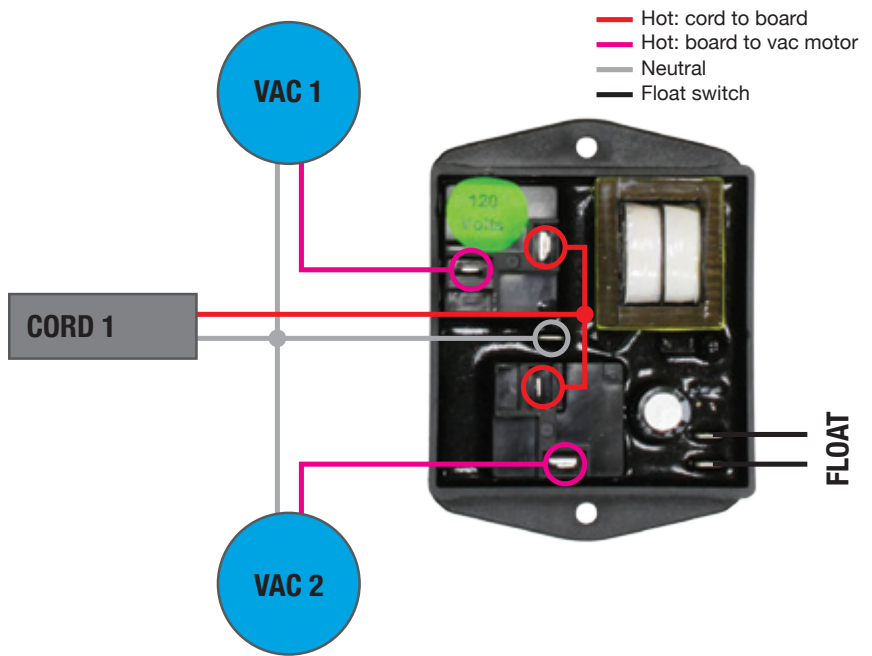
Step 2: Remove the wires from box labelled "R2 SW" and "R2 SW" and attach these two wires together as well.

Step 3: Ensure all connections are properly insulated.

Step 4: Check that vacuum motors powers on. At this point, the vacuum will be controlled only by the on/off switch and will not have any overflow protection. Replace board as soon as possible.

115V Vacuum Level Shut-Off Controller (E370)

Both vacuums are on a single cord.



Applies to the following machines:

- 1000DX-200 (pre March 2016)
- 7300-SLA
- LTD12 (pre March 2016)

Wiring Conversion for 115V Vacuum Level Shut-Off Controller

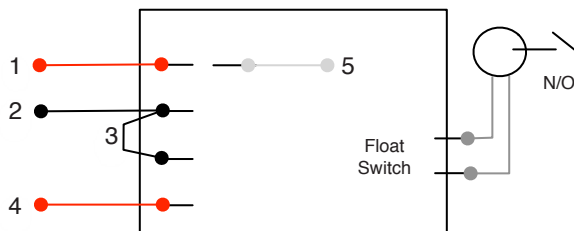
How to Switch to the New Style Board

Step 1: With the machine unplugged, disconnect the wires from the old circuit board. Be sure to remember which wires are neutral and which ones are hot.

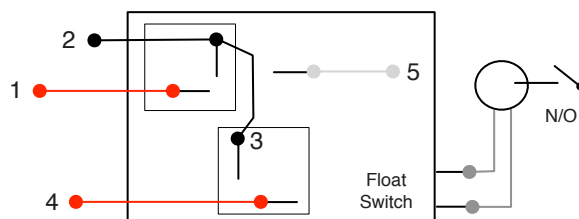
Step 2: Remove the old board and replace it with the new style one.

Step 3: Re-attach the wires to their corresponding terminals, according to the diagram above.

Old Style Circuit Board



New Style Circuit Board

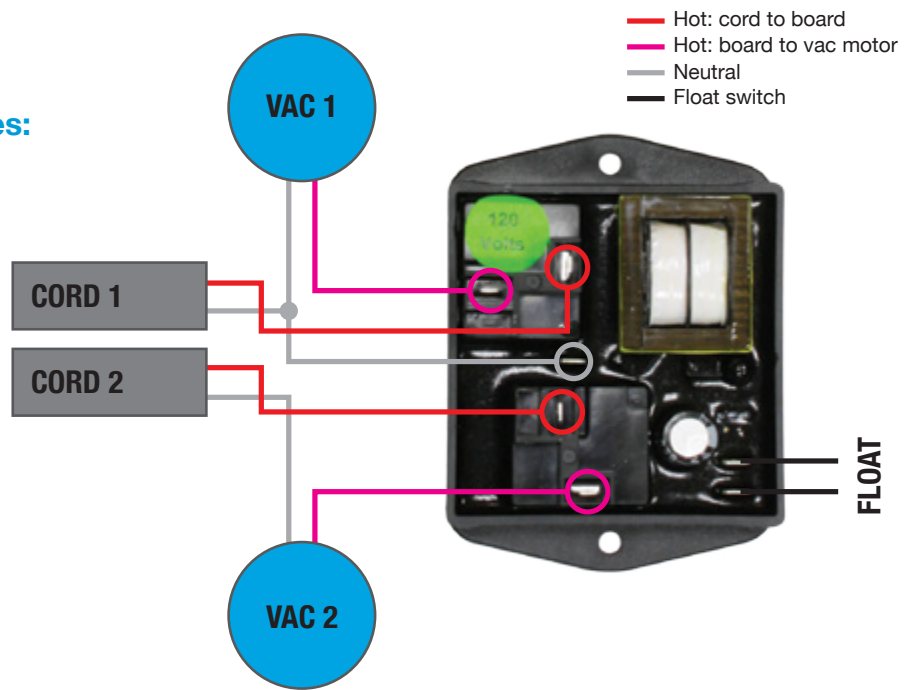


115V Vacuum Level Shut-Off Controller (E370)

Vacuums are on dual cords.

Applies to the following machines:

- 1001DX-200 (pre March 2016)
- 1003DX (pre March 2016)
- 1005DX (pre March 2016)
- 7000DX
- 7000S
- LTD3 (pre March 2016)
- LTD5 (pre March 2016)



Wiring Conversion for 115V Vacuum Level Shut-Off Controller

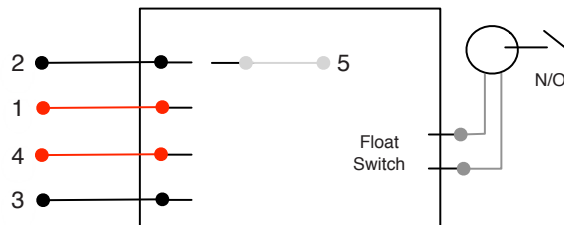
How to Switch to the New Style Board

Step 1: With the machine unplugged, disconnect the wires from the old circuit board. Be sure to remember which wires are neutral and which ones are hot.

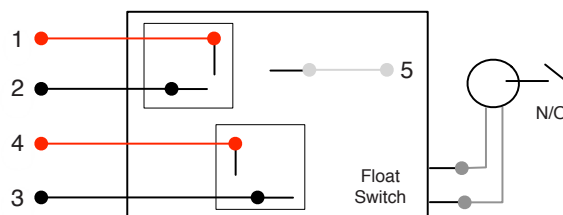
Step 2: Remove the old board and replace it with the new style one.

Step 3: Re-attach the wires to their corresponding terminals, according to the diagram above.

Old Style Circuit Board

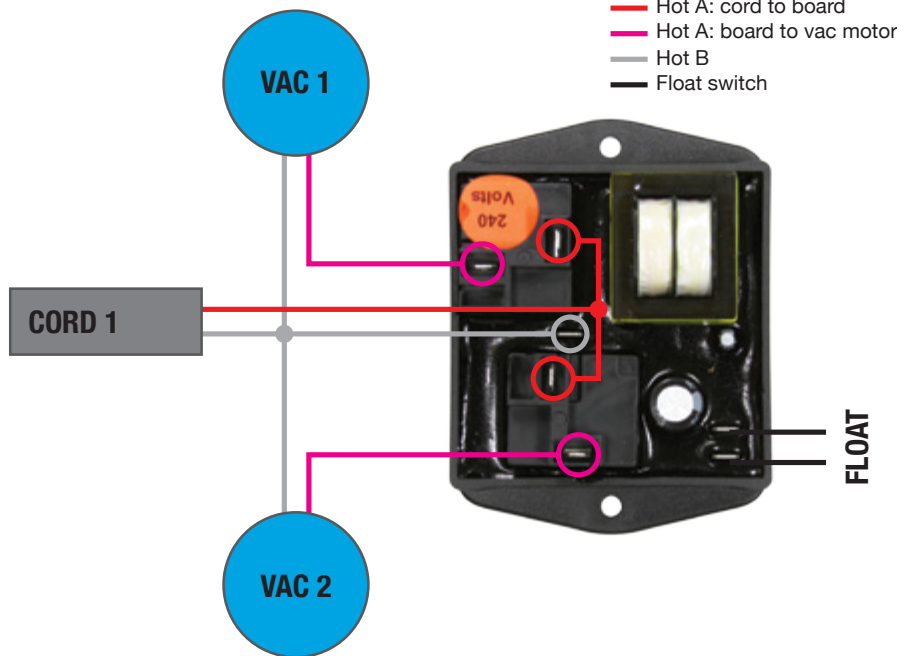


New Style Circuit Board



230V Vacuum Level Shut-Off Controller (E370A)

Both vacuums are on a single cord.



Applies to the following machines:

- 1000DX-200-230 (pre March 2016)
- 7300S-230
- LTD12-230 (pre March 2016)

Wiring Conversion for 230V Vacuum Level Shut-Off Controller

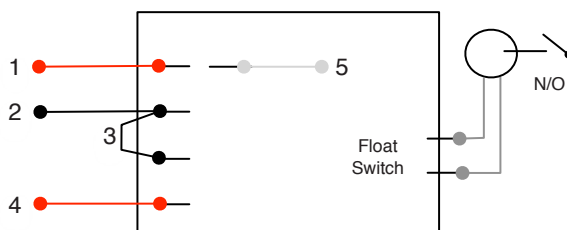
How to Switch to the New Style Board

Step 1: With the machine unplugged, disconnect the wires from the old circuit board. Be sure to remember which wires are neutral and which ones are hot.

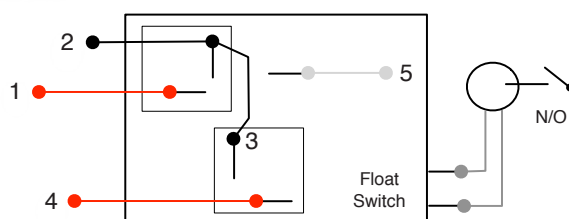
Step 2: Remove the old board and replace it with the new style one.

Step 3: Re-attach the wires to their corresponding terminals, according to the diagram above.

Old Style Circuit Board



New Style Circuit Board

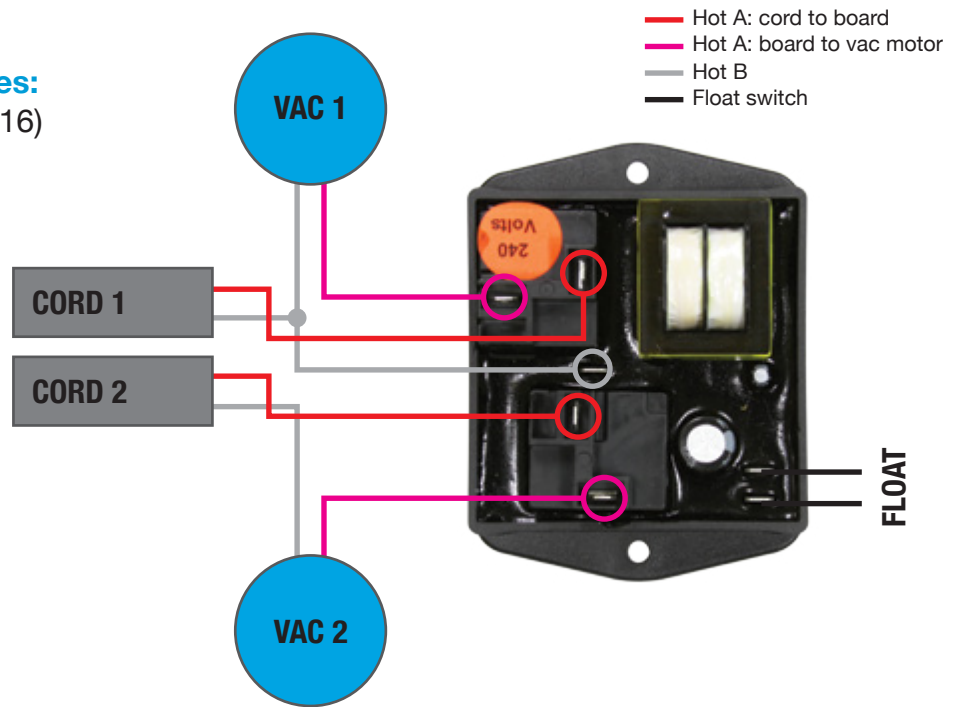


230V Vacuum Level Shut-Off Controller (E370A)

Vacuums are on dual cords.

Applies to the following machines:

- 1001DX-200-230 (pre March 2016)
- 1003DX-230 (pre March 2016)
- 1005DX-230 (pre March 2016)
- 7000DX-230
- LTD3-230 (pre March 2016)
- LTD5-230 (pre March 2016)



Wiring Conversion for 230V Vacuum Level Shut-Off Controller

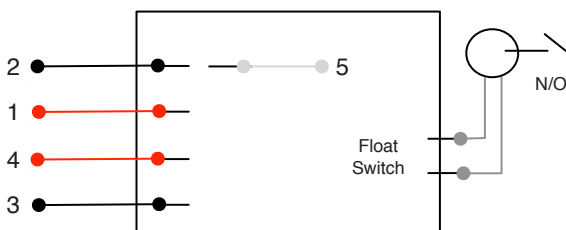
How to Switch to the New Style Board

Step 1: With the machine unplugged, disconnect the wires from the old circuit board. Be sure to remember which wires are neutral and which ones are hot.

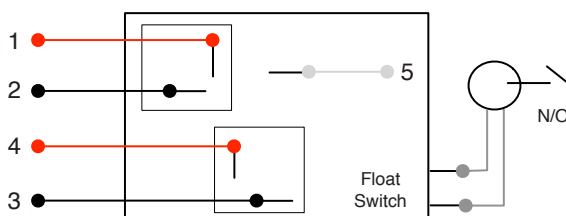
Step 2: Remove the old board and replace it with the new style one.

Step 3: Re-attach the wires to their corresponding terminals, according to the diagram above.

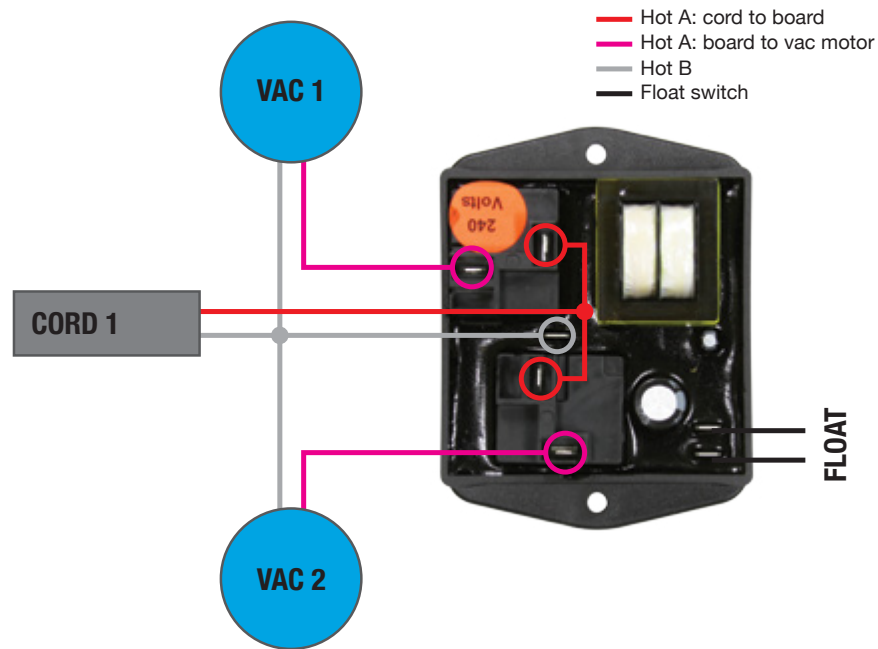
Old Style Circuit Board



New Style Circuit Board



Wiring Setup for the Escape™ Electric Truckmount



Wiring Conversion for ETM 230V Vacuum Level Shut-Off Controller

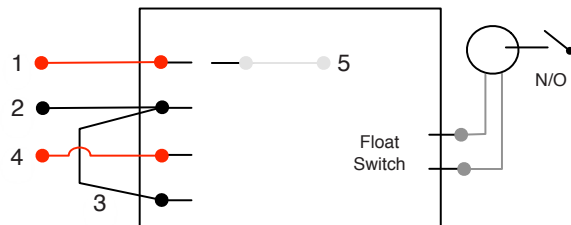
How to Switch to the New Style Board

Step 1: With the machine unplugged, disconnect the wires from the old circuit board. Be sure to remember which wires are neutral and which ones are hot.

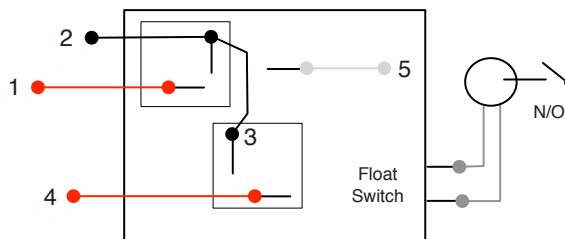
Step 2: Remove the old board and replace it with the new style one.

Step 3: Re-attach the wires to their corresponding terminals, according to the diagram above.

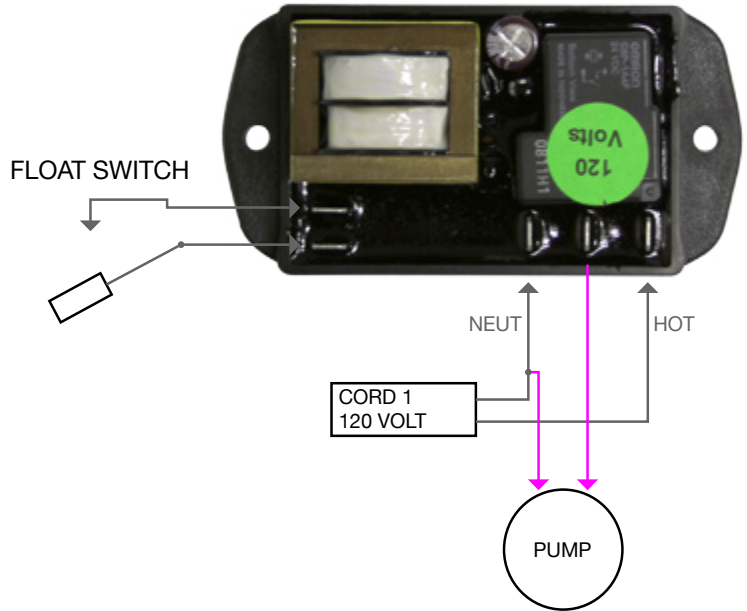
Old Style Circuit Board



New Style Circuit Board



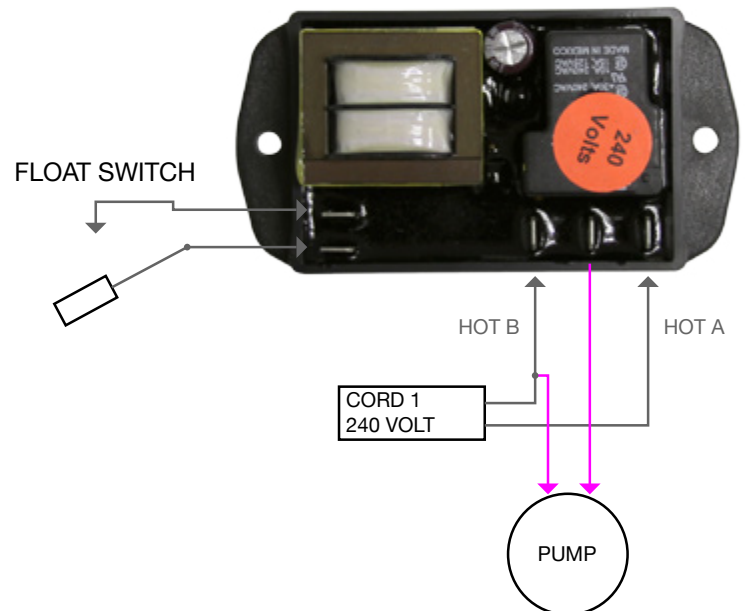
115V Auto Pump-Out Level Control (E628)



Used in the following machines:

- 7000DX

230V Auto Pump-Out Level Control (E628A)



Used in the following machines:

- Escape™ ETM
- 7000DX-230

Water Level Float Switch (E373)



If your machine has an older style plastic float switch, we carry a kit for conversion to the newer **E373** stainless steel float switch. The part number for this kit is **A111**.

A111 Kit includes:

- 1 x **E373** Level Float Switch
- 1 x **B103** Brass Street Elbow
- 1 x **B142A** Coupling
- 2 x **H876** Flat Washer
- 1 x **B107** Hex Nipple

Used in the following machines:

- 1000DX-200 (pre March 2016)
- 1001DX-200 (pre March 2016)
- 1003DX (pre March 2016)
- 1005DX (pre March 2016)
- Escape™ ETM
- 7000S
- LTD3 (pre March 2016)
- LTD5 (pre March 2016)
- LTD12 (pre March 2016)

Also used in the following discontinued machines:

- 7300-SLA
- 7300
- 7000DX

Dual Circuit Light Indicator Control (E564)

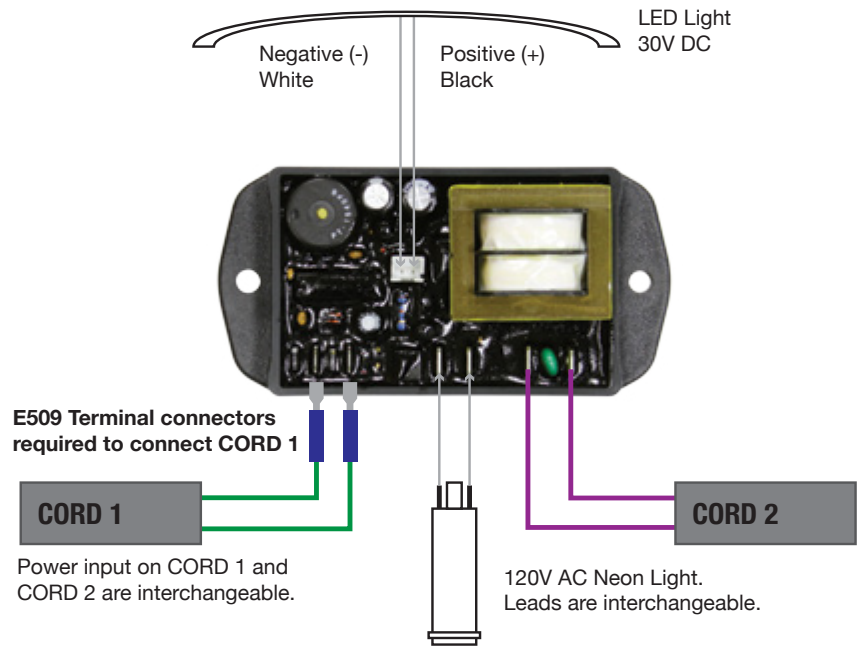


Used in the following machines:

- 1001DX-200
- 1003DX
- 1005DX
- 7000S
- LTD3
- LTD5
- LTD12

Also used in the following discontinued machines:

- 7300-SLA
- 7000DX



230V machines do not include a dual circuit light.

**E509 Terminal Connector
required to connect
CORD 1.**

