

INSTRUCTION MANUAL

AUTO SHUTDOWN CABLE

Spring Gaging Systems
from
LION PRECISION

Installing a Shutdown Cable (P/N B013-8250)

To use the shutdown feature a contactor device must be installed on the coiler. **The relay inside the **SPRING GAGE** is not capable of handling the coiler power lines directly!**

The gage provides one set of normally closed contacts and one set of normally open contacts. The normally closed contacts can be wired in series with the contactor de-activation circuit. When a shutdown condition occurs the contacts will open, causing the contactor to remove power from the coiler. The normally open contacts can be used to activate an alarm or beacon if desired.

The current rating for each set of contacts is 5A @ 125/250 VAC.

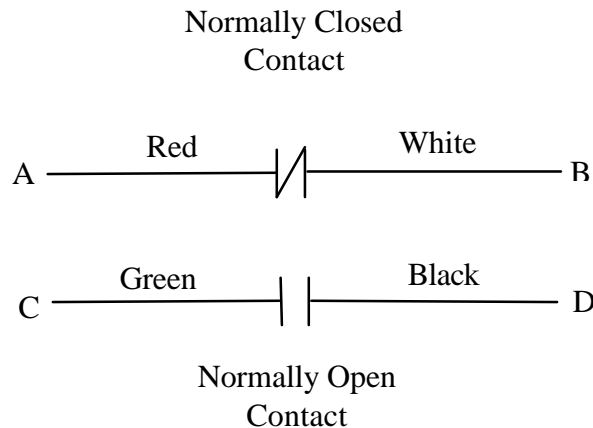
Once the coiler has been wired for a shutdown cable, a normally closed set of contacts is required to run the coiler. The Lion Precision Shutdown Cable Bypass (P/N A014-6180) can be used to run the coiler without a gage.

The shutdown cable contains four wires and has a connector that mates to the SHUTDOWN connector on the rear of the gage. The wiring diagram and schematic are shown below. The letters indicate the pins of the connector.

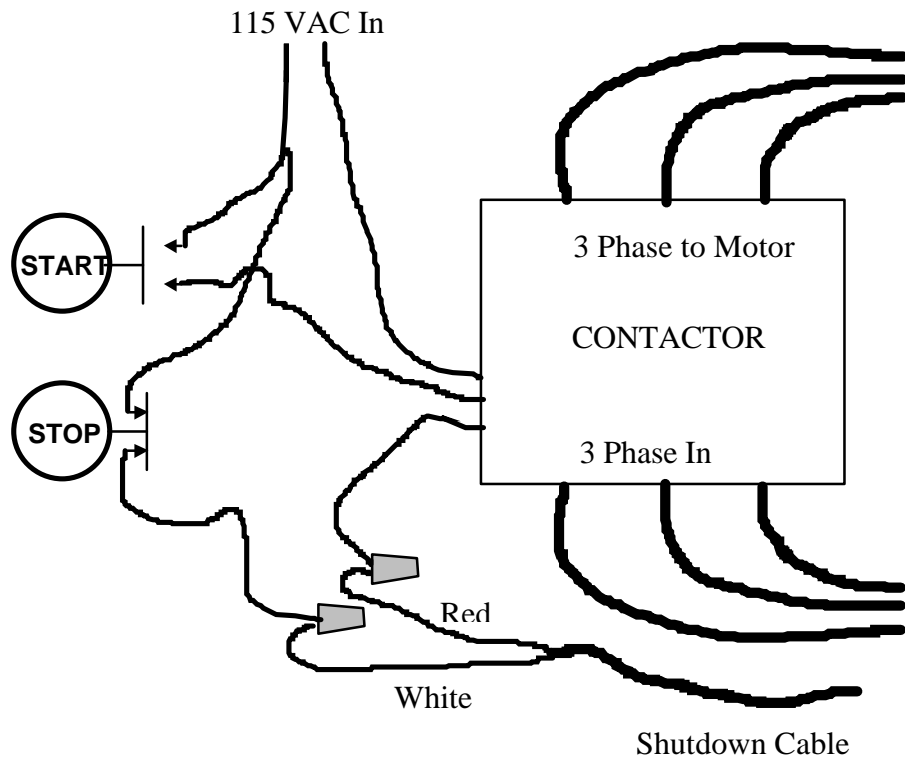
The next page includes a schematic of a typical contactor box with shutdown installed.

Connector Pinouts

Shutdown	A Norm Closed Contact 1 B Norm Closed Contact 2 C Norm Open Contact 1 D Norm Open contact 2
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A typical contactor circuit schematic with shutdown cable installed is as follows:



Typical Installation Procedure:

1. Cut the wire in line with the stop switch.
2. Connect the one of the cut ends of the wire to the **Red** shutdown wire
3. Connect the other cut end to the **White** Shutdown Wire

!! WARNING !!

Confirm coiler and contactor manufacturers instructions before proceeding. Installing the Shutdown Cable should only be done by a qualified electrician. Improper installation can result in injury and or damage to the coiler and gage!