Installation Instructions
Part # 901-00-014

⚠️ WARNING ⚠️ Failure to follow these instructions may result in product damage, equipment damage, and serious or fatal injury to personnel.

Introduction
Warner Electric’s One Shot Power Supply provides a single overexcite voltage pulse when the switch is momentarily closed, or held closed, and is designed to be used with all 12VDC, 24VDC, 90VDC and 115VAC D-frame solenoid operated Wrap Spring products that contain an Actuator Limit Stop option.

Specifications

| Input: | 120/240 VAC, 50/60Hz |
| Output: | 160/290 VDC Peak, 3 Amps Max at 160 VDC output, 5 Amps Max at 290 VDC output |
| Ambient Temp.: | +32°F to +122°F 0°C to +50°C |

<table>
<thead>
<tr>
<th>VAC Input</th>
<th>Maximum Cycle Rate</th>
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<tbody>
<tr>
<td>120</td>
<td>300 CPM</td>
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<tr>
<td>240</td>
<td>40 CPM</td>
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</tbody>
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Table 1

Terminals:
- Amp Inc., Fast-on 250 Series Tabs (.250 X .032),
- For 14-16AWG AMP #640905-1
- For 18-22AWG AMP #640903-1

Installation and Operation

Mounting
The Unit may be mounted in any position through the use of the two mounting holes and 8 - 32 screws (See figure 2 for unit dimensions).

Wiring
The one shot must be wired as shown in Figure 3, otherwise the control will not function properly.

1. Wire AC line voltage through fuse to yellow connector as shown.
2. Wire solenoid coil to green connector as shown.
3. Wire switching circuit (relay contacts) to white, red and black connectors as shown.

When the switch/relay is actuated, the solenoid coil is energized by the pulse from the internal capacitor discharging. When the switch/relay is released or deactivated the internal capacitor is charged for the next cycle.

Customer’s Switch Requirements
Single pole, double throw (SPDT) switch with contact ratings of 10 amps at 240 VAC.

Recommendations
Protect the control with a fuse on the hot side of the AC input voltage line.

- For 120 VAC operation 1/8 AMP, 120VAC FB
- For 240 VAC operation 1/4 AMP, 250VAC FB
Warner Electric's Complete Line of Wrap Spring Products

**Series** | **Torque Ratings** | **Models**
--- | --- | ---
Standard CB | from 25 lb.in to 2,500 lb.in | CB-2, CB-4, CB-5, CB-6 and CB-8
Super CB (SCB) | from 250 lb.in to 2,500 lb.in | Super CB-5, Super CB-6 and Super CB-8
WSC | from 25 lb.in to 2,500 lb.in | WSC-2, WSC-4, WSC-5, WSC-6 and WSC-8
Controls | One Shot Power Supply WSCC-101 and One Shot Octal Socket Power Supply WSCC-102

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### Dimensions

- **GREEN (Solenoid Connections):** 4.25" (107.95 mm)
- **WHITE (Common Switch Connection):** 3.75" (95.25 mm)
- **YELLOW (Input Line Voltage Connections):** 1.30" (33.02 mm)
- **BLACK (Normally Open Switch Connection):** 2.50" (66.04 mm)
- **One Shot Power Supply WSCC-101:** Dimensions: 1.40" (35.56 mm)
- **Customer Supplied Switch or Relay 10 AMP 240 VAC Rated Contact**
- **Mounting Holes:** (2) Ø.190 (47.625 mm)
  - 3.75" (95.25 mm)
  - 4.25" (107.95 mm)
  - 1.30" (33.02 mm)
  - 2.50" (66.04 mm)

### Connection Diagram

- **WRAP SPRING CLUTCH COIL**
- **120/240 VAC**
- **CUSTOMER SUPPLIED FUSE**
- **ONE SHOT POWER SUPPLY FOR WRAP SPRING CLUTCH WSCC-101 901-00-014**
- **CUSTOMER SUPPLIED SWITCH OR RELAY SPDT OR DPDT 10 AMP 240 VAC RATED CONTACT**
- **Connections:**
  - **H**: GREEN (Solenoid Connections)
  - **N**: WHITE (Common Switch Connection)
  - **YEL**: YELLOW (Input Line Voltage Connections)
  - **GRN**: WHITE (Common Switch Connection)
  - **RED**: CUSTOMER SUPPLIED FUSE
  - **BLK**: BLACK (Normally Open Switch Connection)
  - **WHT**: WHITE (Common Switch Connection)

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**240VAC Operation Note:**
Control should not be left in NC state, with AC power applied, for extended periods.
Warranty

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This warranty extends only to the original purchaser and is not transferable or assignable without Warner Electric LLC's prior consent.

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A purchase receipt or other proof of original purchase will be required before warranty service is rendered. If found defective under the terms of this warranty, repair or replacement will be made, without charge, together with a refund for transportation costs. If found not to be defective, you will be notified and, with your consent, the item will be repaired or replaced and returned to you at your expense.

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