



*Motion Sensor Installed in 6100 Series
Industrial Conveyor Tension End Tail Plate*

		<h3>WARNING</h3>
<p>Exposed moving parts can cause severe injury.</p> <p>LOCK OUT POWER before removing guards or performing maintenance.</p>		

Electrical Characteristics

Dry Contact Switch: Provides One (1) Pulse per Revolution or Approximate 3.5" (90 mm) of Belt Movement

Voltage (Switching): 200 volts D.C. Maximum
140 volts A.C. (RMS) Maximum

Current (Switching): 1.0 Amperes Maximum
(Carrying): 2.5 Amperes Maximum

Wattage: 15 Watts Maximum

Resistance
(Initial Contact): 0.100 Ohms Maximum
(Insulation): 10⁶ Megohms

Operating Temperature: . . -55 to +125°C

Operate Time
(including bounce) 0.5 Milliseconds

Maximum Switch Speed . . 1.0 KHz

Illustration References

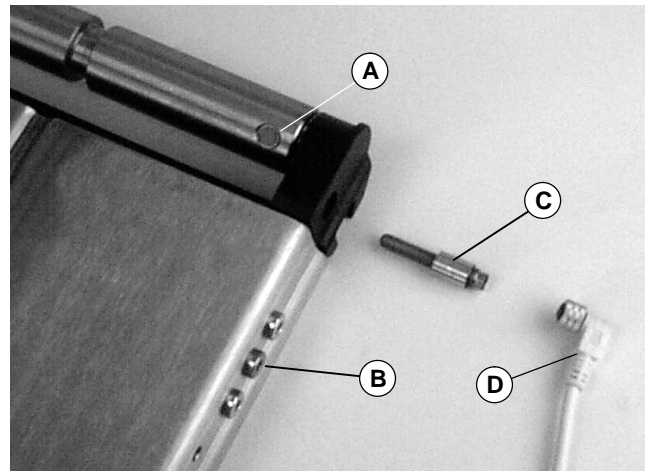
- | | |
|---|------------------------------------|
| A | Magnet (built into pulley) |
| B | Belt tension locking screw |
| C | Sensor (809-251) |
| D | Sensor Wire Lead Assembly (450334) |

Mounting to Conveyor

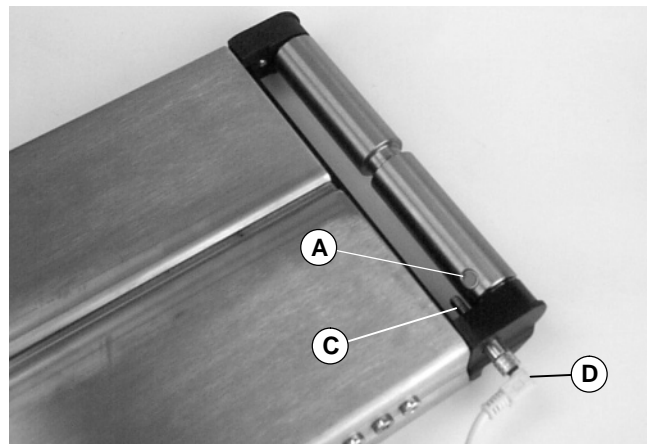
Step 1: Locate tension end of conveyor identified with label.

Step 2: Locate side on which magnet (A) is installed. Conveyor is shipped with pulley magnet (A) on same side as belt tension locking (gold-colored) screw (B).

NOTE: Magnet and sensor may be re-located to the opposite side of tension end by re-orienting the pulley. Refer to "Pulley & Tail Assembly Replacement" topic, in your conveyor Set-up, Operation and Maintenance Manual.



Step 3: Install sensor (C). Hand tighten only.



Step 4: Install sensor wire lead assembly (D). Hand tighten only.

<continued on next page>

**64-02-00, 64-02-01,
64-02-02 & 64-02-03
Motion Sensor Switches**

Wiring

Sensor kits are provided in four lead configurations. Refer to Figure 1 for your configuration and connect sensor to a Dorner Motion Monitor or your own machine control or PLC.

IMPORTANT: Always follow local electrical codes.

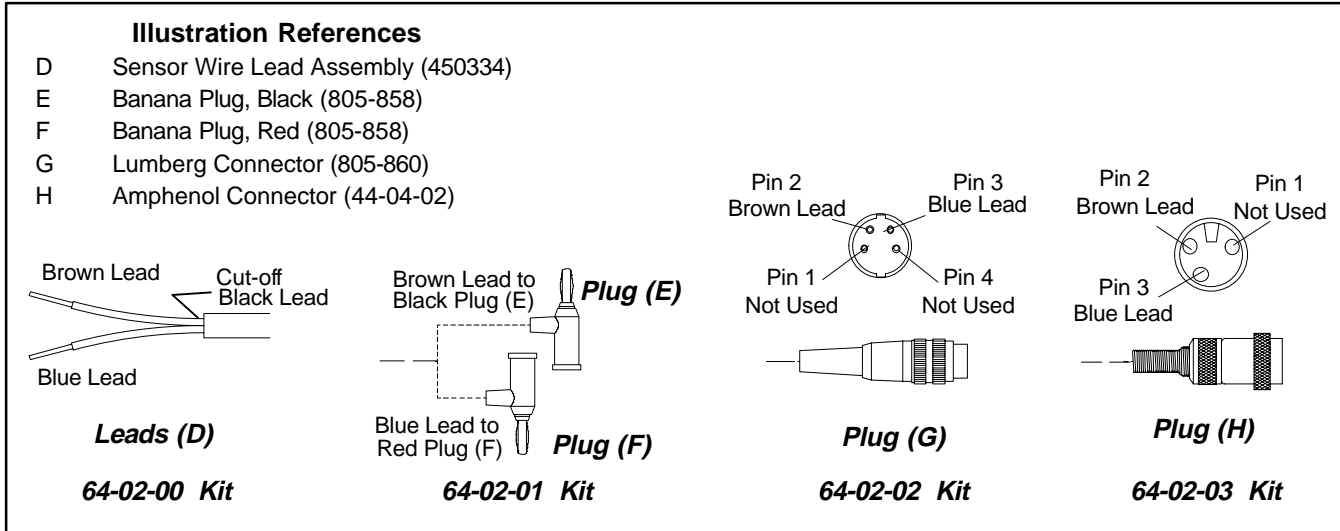


Figure 1: Wiring Details

**For replacement parts, contact an authorized
Dorner Service Center or the factory.**



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DORNER MFG. CORP.

580 Industrial Drive, PO Box 20
Hartland, WI 53029-0020 USA
USA
TEL 1-800-397-8664 (USA)
FAX 1-800-369-2440 (USA)
Outside the USA:
TEL 1-262-367-7600, FAX 1-262-367-5827

DORNER

Arnold-Sommerfeld-Ring 2
D-52499 Baesweiler
Germany
TEL (02401) 80 52 90
FAX (02401) 80 52 93
Internet: www.dorner.com