



## DRI-62 Drum Rotation Indicator System

The Drum Rotation Indicator System for mobile cranes and boom trucks puts precise control over drum rotation and rate of movement right at the operator's fingertips with unparalleled durability and reliability. By providing the operator with a direct indication of hoisting drum movement, the DRI-62 provides the control feedback that is vital for applications where the precise positioning of building materials or equipment is required!

The DRI-62 offers unique "fine" and "coarse" thumping rate select-ability. "Coarse" mode, intended for normal operating situations, indicates 0.6" of live travel. For more precise operations, such as in tight spaces, the operator can select "fine" mode, which provides indication for 0.2" of line travel. Retrofitting to existing equipment is simple and economical since the complete Drum Rotation Indicator System consists of only two (2) components:



A **Transmitter (Sensor)** functions as a standalone module and can accept almost any pulsed input signal from an external sensor. When used in conjunction with the optional enclosure cable and friction wheel, the unit is mounted onto the hoisting drum and activated by the means of the transmitter friction wheel. The transmitter interprets the external signal or rotation of the drum and provides electrical pulses which allows the operator to maintain remote electrical monitoring of the indicators. Also, the transmitter is also available in dual drum or winch configurations!



An **Indicator (Thumper)** is a tactile indicator that receives the electrical pulses from the transmitter and converts them into mechanical movement via the solenoid. The thumping rate increases in direct proportion to the drum speed up to a maximum 15 pulses per second.

### Features and Benefits:

|                                    |  |
|------------------------------------|--|
| Selectable fine or coarse sensing  | Meets / exceeds SAE J1332 specifications     |
| Long-life "thumper" solenoid       | Diagnostic LED's                             |
| Electrical protection circuitry    | IP65 environmental sealing-severe duty rated |
| Reversible mounting bracket        | Easy to install and retrofit                 |
| Waterproof and corrosion resistant | True-positive pulse feel                     |

## Technical Data for Transmitter (Sensor)

|                         |   |
|-------------------------|---|
| Supply Voltage.....     | 10 to 28 VDC  |
| Power Consumption.....  | 2.5 amp peak DC (single indicator)<br>5.0 amp peak DC (dual indicator)  |
| Resolution.....         | 0.2" per thump (fine mode)<br>0.6" per thump (coarse mode)  |
| Protection.....         | Transient voltage, short circuit<br>Reverse polarity, solenoid "pin jam"  |
| Diagnostics.....        | Quantity 2<br>LED's power on/pulse out  |
| Temperature Rating..... | -40°C to +70°C  |
| Friction Wheel.....     | 3.1" diameter, urethane non-skid surface  |
| Enclosure.....          | Severe service duty rated, IP65 watertight,<br>non-corrosive, epoxy painted, 0.187"<br>aluminum wall. Stainless steel 0.375"<br>diameter rotation shaft with heavy-duty<br>sealed bearings and outer shaft seal |
| Radial/Axial.....       | 20 lbs. /10 lbs. max  |
| Shaft Speed.....        | 6,000 RPM max   |
| Mounting Bracket.....   | Stainless steel with two (2) stainless steel<br>heavy duty springs, non-corrosive with a<br>multi slotted base for added interchangeability   |

## Indicator (Thumper) Supply Voltage: 12VDC & 24 VDC Models Available

|                      |  |
|----------------------|--|
| Frequency.....       | Continuous oscillating, rated at 15HZ (max)<br>and protected by transmitter electronics                              |
| Operation.....       | Pull-type actuation, customized tubular design,<br>and high force in limited space                                   |
| Life Test/Cycle..... | Low friction bobbin insert rated at a minimum<br>of 75 million operations<br>Consult OEM for other custom parameters |

**WARNING:** It is the purchaser's responsibility to determine the suitability of any OEM Controls product for an intended application, and to insure that it is installed and guarded in accordance with all federal, state, local and private safety and health regulations, codes and standards.  
Due to the unlimited variety of machines, vehicles and equipment on which our controls are used, and the numerous standards which are frequently the subject of varying interpretation, it is impossible for OEM Controls personnel to provide expert advice regarding the suitability of a given controller for a specific application. The flexibility of our products allows us to offer thousands of custom configurations. We can advise you of the various features that are available and you can examine models to see what meets your needs. We believe our customers' engineering departments should be the qualified experts in their own product field. If the product will be used in a safety critical application, the customer must undertake appropriate testing and evaluation to prevent injury to the ultimate user.  
Should you have any questions or if any of the above warning is unclear, please contact OEM Controls at 10 Controls Drive, Shelton, CT 06484, FAX: 203.929.3867, TEL: 203.929.8431.