

C RANE W ARNING S YSTEMS

Drum Rotation Indicator

for Mobile Cranes, Boom Trucks

Controls

Consoles

SLIs

Sensors

Service



Hirschmann's Drum Rotation Indicator provides the crane operator with precise information on drum rotation. An optional dual control unit for boom trucks allows for the simultaneous use of indicator units for both operator's stations.



HIRSCHMANN

A **BELDEN** BRAND

ALL
Systems
Product **GO PAT**
Support **KRÜGER**

www.cranewarning.com

Control Unit

- Plug-in connections for transmitter and indicator
- Cover made from fiberglass reinforced material with O-ring seal
- Option: Dual control unit

Indicator Unit

- Stepping motor with tactile rubber wheel easily adjustable for control lever diameter and position with fitting clamp
- Option: Water protected IP 65
 - Additional housing with O-ring seal and gland type strain relief for cable connection
 - Elastomeric seal for stepping motor shaft

Transmitter Unit

- Electro-optical sensor
- Friction drive on winch drum flange
- Incremental output signal for rotation
- Output signal for rotation direction



HIRSCHMANN

A BELDEN BRAND

Transmitter Unit



Control Unit



Indicator Unit



Specifications are subject to change without notice.

Technical Data

Electrical Data

Supply voltage:	12 VDC $\pm 25\%$ or 24 VDC $\pm 25\%$
Power consumption:	
System with single control unit	1 A max. (12 V system) 2 A max. (24 V system)
System with dual control unit and two indicator units	0.5 A max. (12 V system) 1 A max. (24 V system)

Resolution

Transmitter:	96 steps/rev.
Indicator:	48 steps/rev.

Dimensions and Weights

Transmitter:	
max. outside dimensions	60 x 140 x 120 mm (W x H x D)
wheel diameter	124 mm
weight	1.0 kg
Control Unit:	
single control unit	
max. outside dimensions	165 x 115 x 60 mm (W x H x D)
weight	0.7 kg
Dual control unit:	
max. outside dimensions	220 x 115 x 60 mm (W x H x D)
weight	0.8 kg
Indicator unit:	
max. outside dimensions	70 x 140 x 120 mm (W x H x D)
Tactile wheel diameter	65 mm
weight	0.8 kg (water protected option: 0.9 kg)
Protection class	IP 65 (optional for indicator unit)
Temperature range	-30°C...+20°C



Hirschmann Automation and Control, Inc.

Electronic Control Systems
1540 Orchard Drive, Chambersburg, PA 17201
Phone: (717) 263-7655 • Fax: (717) 263-7845

©2009 Hirschmann Automation and Control, Inc.

www.hirschmann-usa.com

**PAT
KRÜGER**

05/2010

