



HIRSCHMANN

A Belden Company

Controls

Consoles

SLIs

Sensors

Service

iSCOUT PRS40

Indicator System for Mobile Cranes



The iSCOUT PRS40's flexible design allows for monitoring single or multiple sensor inputs in wireless and hardwired applications. The system can monitor up to two wireless and one hardwired sensor at the same time, giving the operator the versatility to combine wireless and hardwired sensors. In wireless applications, the iSCOUT PRS40 utilizes Frequency Hopping Spread Spectrum Technology (FHSS) which transmits on one of 25 different channels to ensure accurate and consistent reception of data. FHSS also provides additional protection against interference common to construction job sites.

- ▶ Used in wireless and hardwired applications
- ▶ Monitors combinations of load, boom angle, wind speed, and anti-two block
- ▶ Operator pre-set limits with audible and visual warning
- ▶ Monitors up to two wireless and one hardwired sensor at one time
- ▶ Operating range up to 1000 feet in wireless applications
- ▶ Installs quickly and easily on any size mobile crane
- ▶ Meets industry standards for indicating devices



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TECHNICAL DATA



iSCOUT PRS40 Sensor Options

System Specifications

Input Voltage	10 - 30 volts
Reverse Polarity Protected	
Operating Temperature	-20°C to +85°C
Console Dimensions	4.80 in. x 4.70 in.
System Rated	IP 65

Wireless Specifications

Frequency	900 Mhz FHSS
Radio Range	Up to 1,000 ft.
Battery	4-C Type, Alkaline/Lithium
Battery Life	Alkaline - Up to 7 Months Lithium - Up to 14 Months
External mounted antenna	

Proven Sensor Technology

The iSCOUT PRS40 incorporates field proven wireless and hardwired sensor technology.

The anti-two block (A2B) switch is currently used industry-wide on thousands of mobile cranes. All electronics are sealed and potted, which make for a rugged and durable switch.

The load is measured to an accuracy of + 1% in both wireless and hardwired applications. In wireless applications a 15K or 45K load cell is used which can be easily installed on a head-ache ball or in the dead end of the boom. In hardwired applications the iSCOUT PRS40 incorporates a linerider.

Hirschmann's angle sensors are compact and durable in design. The cranes boom angle is measured to an accuracy of +/- 1°.

Hirschmann's three cup wind speed sensor, is designed for operation in adverse environments. The quick pivot pedestal mount allows for quick and easy installation in fixed or mobile applications.

Other products from Hirschmann



iVISOR maestro

Upgrade existing PAT/Hirschmann LMI's to the latest technology



iVISOR MK4E/2

Load Moment Indicator (LMI) for mobile cranes

Specifications are subject to change without notice.

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