RNG-DRX
VHF DIAGNOSTIC
RECEIVER

- Remotely Troubleshoot smartcom® 150/150IS and Ethernet Systems
- View Status of the System
- Immediate Notification of System Faults

smartcom®

FEATURES

Becker Mining Systems Remote Diagnostics Receiver allows you to remotely troubleshoot your smartcom® 150/150IS and smartcom® Ethernet systems via the mine's own LAN.

Regardless of the size of the system, Remote Diagnostics can improve uptime and provide confidence in the system.

All Becker Mining Systems amplifiers periodically send diagnostic data back to the DRX located in the Base Station. The DRX then relays this data to the PC or Server on the mine's LAN that runs the Remote Diagnostic web server.

Mine personnel can point their web browser to the RD web server in order to view the status of the system. The DRX also provides immediate notification of system faults (emailed alarms, alarm/no alarm relays) and an on-board downstream pilot.

TECHNICAL DATA

PERFORMANCE SPECIFICATIONS	
Input Voltage	12 Vdc
Current Consumption	330 mA
RF Transmit Port	
Impedance	50 Ohm
Connector	BNC jack
Indicator LED	"Tx On" LED
Center Frequency	Channel Plan 2.0: 154.500 MHz; Channel Plan 3.0: 148.275 MHz; Channel Plan 3.1: 146.400 MHz
Power Level	+14 to +3 dBm
RF Receive Port	
Impedance	50 Ohm
Connector	BNC jack
Indicator LED	"Carrier Detect" LED
Center Frequency	174.925 MHz
Sensitivity	-115 dBm
Alarm Relay	
Rated Load	0.50 A at 125 VAC, 1A 24 VDC
Type	NO (No alarm present)
Connector	Terminal block
No Alarm Relay	
Rated Load	0.50 A at 125 VAC, 1A 24 VDC
Type	NO (No alarm present)
Connector	Terminal block
RS232 Input	
Signals	Rx, GND
Indicator LED	"RS232 Detect" LED
Connector	Terminal block
Ethernet Port	
Connection	10Base-T, RJ-45

MECHANICAL DATA	
Construction	Printed Circuit Board
Dimensions (L x H x W)	120 x 38 x 148 mm (4.7 x 1.5 x 5.8 in)
Weight (nominal)	0.18 kg (0.40 lbs)

ENVIRONMENTAL DATA	
Temperature Range	-20 to +60° C (-4 to +140° F)

APPROVALS	
CE Certification	Yes

Rev. G

Technical data are limit values.

If the product is integrated into systems or operated in combination with other devices, its permissible operating values can deviate from these limit values. Subject to technical modifications without prior notice.

becker
MINING SYSTEMS

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