



VHF
SMART COM
150, RNG AMP

SMART COM RNG-AMP

The Smart Com RNG-AMP provides a 30 MHz bandwidth providing high quality voice channels as well as high speed TCP/IP data transfer through the

Leaky Feeder that enables wired and wireless Ethernet applications such as computer networking, IP cameras, teleoperation and VoIP in underground hot-spots.

The 30 MHz bandwidth provides multiple simultaneous noise-free* voice radio channels and a 54 Mbps downstream, 40.96 Mbps upstream Ethernet connection. Standard Ethernet equipment can be easily connected cost effectively and is simple to install and maintain.

30 HZ BANDWIDTH

The industry leading 30MHz bandwidth allows multiple voice and data channels that operate simultaneously with super-low intermodulation noise levels

RF GAIN

The industry's highest RF Gain pilotless (in manual mode) amplifier with automatic and manual gain modes allows amplifiers to be installed at greater distances along the network reducing required components.

AUTOMATIC GAIN

mode allows the amplifiers to intelligently alter gain levels independently as the system grows and changes. This mode reduces system maintenance considerably reducing your maintenance costs.

LOCAL DIAGNOSTICS

Local Diagnostics are standard on RNG – AMP and facilitates fault-finding and system troubleshooting by quickly being able to identify the

faulty component saving time and money.

- Local Diagnostics via 3 on board LED Indicators:
- Power On, RF Level OK Green LED
- Power On, RF Level Low Red LED
- Power On, RF Level High Yellow LED

REMOTE DIAGNOSTICS

The 150 RNG AMP is equipped with Remote Diagnostics (RD) which allows you to remotely troubleshoot your Smart Com communication system via the mine's own local area network (LAN). to utilise this feature a Smart Com server and software has to be installed. Remote Diagnostics improves uptime by providing a graphical view where problems may exist with the leaky feed communications network.

VOLTAGE RANGE

The supply voltage range (5.5 to 36VDC) of the RNG-AMP and RNG-AMPS allows the Smartcom units to operate reliability under varying supply voltage conditions and can also to be successfully installed in other OEM VHF leaky feeder systems including those with forward and reverse pilot combinations as it will not affect the unit's performance.

DOCUMENTS