



VRTG VHF REMOTE TONE GENERATOR

- Connects to VHF Leaky Feeder Network
- Line Powered (6-36 Vdc)
- Incorporated Into smartcom Remote Diagnostic Software
- Dedicated RF Channel
- Generates Specified Tone

FEATURES

Becker Mining Systems smartcom® 150 Remote Tone Generator (VRTG) connects directly to the end of line of the leaky feeder network to provide an upstream tone to be monitored throughout the system. The VRTG is configured to communicate with the VRTG-HE Remote Tone Generator Head End which provides remote control of the Remote Tone Generator in the field.

Using Becker Mining Systems smartcom® 150 Remote Diagnostic Software the Remote Tone Generator Head End Controller can activate and/or deactivate the remote tone and adjust its frequency.

The smartcom® 150 Remote Tone Generator (VRTG) works in conjunction with the Remote Tone Generator Head End Controller (VRTG-HE) and the Rack Mount Spectrum Analyzer (RMSA-100) to provide a snapshot of the leaky feeder system health. Multiple Remote Tone Generators can be used simultaneously to monitor more than one area of the LF network.

2 year component & workmanship warranty.

TECHNICAL DATA

PERFORMANCE SPECIFICATIONS	
Impedance	75 Ω
Input Voltage	6-36 Vdc
LF Cable	RNG-500
Current Consumption	< 140 mA
DC Blocking	Jumper Selection on Board
Power LED	Yes
Downstream Freq	Factory Programmable Must be specified
Upstream Freq	Factory Programmable Must be specified
Tone Frequency Range	170 - 175 MHz (RD Software configurable)
Maximum Active Time (Timeout)	480 Minutes (8 Hours)
Data Rate	38400 (default, 2400-115200 factory configured)
Parity	Even (default)

MECHANICAL DATA	
Dimensions (L x H x W)	323 x 90 x 180 mm (12.7 x 3.5 x 7.1 in)
Weight (nominal)	1.00 kg (2.20 lbs)
LF Connectors	3 Terminal Lug Connector

ENVIRONMENTAL DATA	
Temperature Range	-20 to +60° C (-4 to +140° F)
Protection Class	NEMA 4x (IP66)

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.

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