



VRTG-HE VHF VRTG HEAD END CONTROLLER

- Data Connection Over Leaky Feeder
- Connects to VHF Base Station RF Distribution
- DC Input Voltage (12-24 Vdc)
- Ethernet Connectivity
- Dedicated RF Channel

FEATURES

Becker Mining Systems' smartcom® 150 Remote Tone Generator Head End Controller (VRTG-HE) interfaces with the Leaky Feeder Base Station to provide communications with the smartcom® 150 Remote Tone Generator (VRTG) along the LF network. The VRTG-HE is configured to communicate with and control the VRTG Remote Tone Generator.

Using Becker Mining System' smartcom® 150 Remote Diagnostic Software the Remote Tone Generator Head End Controller can activate and/or deactivate the remote tone and adjust its frequency. Connections are made to the server via Ethernet and to the LF through the RF distribution already in place for the voice network.

The smartcom® 150 Remote Tone Generator Head End Controller (VRTG-HE) works in conjunction with the Remote Tone Generator (VRTG) and the Rack Mount Spectrum Analyzer (RMSA-100) to provide a snapshot of the leaky feeder system health.

2 year component & workmanship warranty.

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.

Rev. A

TECHNICAL DATA

PERFORMANCE SPECIFICATIONS	
Impedance	50Ω
Input Voltage	12-14 Vdc
Current Consumption	335 mA @ 12 V
Output RF Power	0 dBm ± 1dB
Downstream Freq	Factory Programmable Must be specified
Upstream Freq	Factory Programmable Must be specified
Interface	Ethernet (converted from RS485)
Ethernet	10/100 Mbps, auto MDI/MDIX
Serial Data Rate	38400 (default, 2400-115200 factory configured)
Parity	Even (default)

MECHANICAL DATA	
Enclosure	2U 19" Rack Mount
Dimensions (H x W x D)	260 x 87 x 156 mm (3.5 x 19 x 12 in)
Weight (nominal)	5.2kg (11.5 lbs)
RF Connectors	BNC Jack
Ethernet	RJ45

ENVIRONMENTAL DATA	
Temperature Range	0 to +55° C (32 to +131° F)