



UHED450WW# HEADEND

- Bi-Directional Remote Diagnostics
- N-Type Leaky Feeder Connections
- 12VDC (standard), 24VDC and 36VDC output models available
- Compatible with international channel plans (EU/NA)

FEATURES

Becker Mining Systems smartcom® UHED450WW# Head End is the interface between Base Station equipment (Repeaters, Head end server) and the Becker smartcom® 450 Leaky Feeder network. The Head End provides a downstream pilot and bi-directional remote diagnostics.

The UHED450WW# Head End is available with 12VDC (standard), 24VDC or 36VDC output to the LF network for systems using European or North American frequency bands.

TECHNICAL DATA

PERFORMANCE SPECIFICATIONS	
Impedance	BR1 - BR4: 50 Ω; CH1 - CH16: 50 Ω
Leaky Cable Types	UHF-175, UHF-350
Branch Controls (BR1-BR4)	RF+DC, RF Only Terminate
Voice Downstream	
Loss (nominal)	30 dB
Bandwidth (1 dB)	20 MHz
Downstream Bandpass	460 - 480 MHz
3 rd Order Intermod Free Channel Capacity	16 Voice/Data
Input Power	1 W (30 dBm)
Voice Upstream	
Loss (nominal)	<7 dB
Bandwidth (1dB)	20 MHz
Upstream Bandpass	435 - 455 MHz

ELECTRICAL DATA	
Input Voltage	12 - 14 Vdc
Output Voltage	12 VDC (Standard), 24VDC/36VDC available
Current Consumption	740 mA (nominal)
Current Limiting	~2A
Power Indicator	Front Panel Led
DC Blocking (BR1-BR4)	Front panel switch control
Ground	2-14 AWG connection

MECHANICAL DATA	
Dimensions (W x H x D)	483 x 132 x 356 mm (19 x 5.2 x 14 in)
Weight (nominal)	6.5 kg (14.33 lbs)
Enclosure	19" 3U, Steel
RF Connectors	BR1-BR4: N-type Jack; CH1-CH16: BNC Jack
Temperature Range	-20 to +60 °C (-4 to +140 °F)

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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