



VIDM-150WW# VHF IN-LINE DATA MODULE

- Connects to VHF Leaky Feeder Network with Low Mainline Loss <2 dB
- Line Powered (6-36 Vdc)
- Serial Connection Over Leaky Feeder
- Powers On-board Serial Device
- Dedicated RF Channel
- External Antenna Port

FEATURES

Becker Mining Systems smartcom® 150 In-Line Data Module (UIDM) connects to the Leaky Feeder network with low main line loss to provide serial connection to an on-board serial (UART) device.

Serial data rates from 2400-115200 are supported. The connected serial device is powered through the IDM and one external antenna port is provided for tag reader functionality.

The smartcom® 150 In-Line Data Module VIDM-150WW# works in conjunction with the Surface Data Module VSDM-150WW# to provide an Ethernet connection at the head end.

2 year component & workmanship warranty.

TECHNICAL DATA

PERFORMANCE SPECIFICATIONS	
Impedance	75Ω
Input Voltage	6-36 Vdc
LF Cable	RNG-500
Current Consumption	< 140 mA (excludes tag reader)
DC Blocking	Jumper Selection on Board Input/Output
Power LED	Yes
Insertion Loss	<2 dB (25-185 MHz)
Downstream Freq	154.7 MHz (default)
Upstream Freq	177.05 MHz (default)
Interface	UART
Data Rate	115200 (default, 2400-115200 factory configured)
Parity	None (default)

MECHANICAL DATA	
Enclosure	Fiberglass reinforced polyester plastic
Dimensions (L x H x W)	290 x 91 x 140 mm (11.4 x 3.6 x 5.5 in)
Weight (nominal)	1.36 kg (3.0 lbs)
LF Connectors	3 Terminal Lug Connector
Antenna Port	N-Type Panel Jack
Serial Connector	On-board header

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

TAG READER CHARACTERISTICS	
Impedance	50Ω
Frequency	433.92 MHz
Input Voltage	5 Vdc
Current (max)	200mA

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