

150/150IS TERMINATION UNIT

RNG-TER, RIS-TER



Varis' Smart Com 150 and Smart Com 150IS Termination units are required at the end of each Leaky Feeder cable branch to absorb RF signals, preventing reflections and distortion. Alternately, Stope antennas (RNG-AN1, RIS-AN1) can be installed at the end of Leaky Feeder branches to extend coverage into stopes or areas where cable damage is likely.



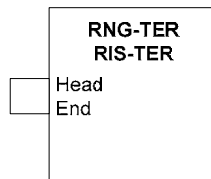
RNG-TER (left), RIS-TER (right)

Product Specifications

	TERMINATION	IS TERMINATION
Part Number	RNG-TER	RIS-TER
Physical		
Construction	Single Printed Circuit Board	
Enclosure	NEMA 4x (IP66), Polystyrene	NEMA 3 (IP54), Fiberglass reinforced polyester plastic
Dimensions (L x H x W)	165 x 75 x 130 mm (6.5 x 3.0 x 5.1 in)	145 x 75 x 75 mm (5.7 x 3.0 x 3.0 in)
Weight (nominal)	0.3 kg (0.66 lbs)	0.5 kg (1.1 lbs)
Connector	1 Three terminal Lug Connector, PG21 cable grip	
Conformal Coating	No	2 coats, CTI >100
Environmental		
Temperature Range	-20 to +60° C (-4 to +140 °F)	
Electrical		
Input Voltage Range	0-40 Vdc	0-12 Vdc
Current Consumption	0 mA	
RF Characteristics		
Impedance	75 ohm termination	
Frequency Range	10-200 MHz	
Approvals		
Intrinsic Safety	No	MSHA, Approval #23-A050001-0
CE Certification	Yes	Yes

Installation

- Ensure that Termination Unit or Stope Antenna (RNG-AN1, RIS-AN1) is installed at the end of each Leaky Feeder branch.



WARNINGS



The Smart Com 150IS Termination Unit (RIS-TER) is approved for use only when installed according to the requirements of Varis Mine Technology System Layout Drawing MSHA-IS-01.



Any changes in the Intrinsically Safe circuitry or components may result in an unsafe condition.

