

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.



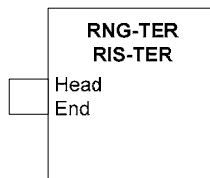
RNG-TER (left), RIS-TER (right)

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 |
| 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.

