

## MODEL 01-20010

# TERMINATION BOX (MSHA)



PBE's Termination Box (TB) is a passive device used to properly terminate the ends of the Leaky Feeder Cable into a 75 ohm load.

If the system is to work correctly, every Leaky Feeder Cable 'end' must be terminated with a Termination Box. While the system may still operate without a Termination Box, the last amplifier in the cable run will not be able to function as it was designed. The Termination Box ensures the last amplifier is provided with a terminated load of 75 ohm. The Termination Box will also block the DC voltage, preventing a short circuit and effectively seal the end of the cable against the harsh mine environment.

If the system is to meet the specifications as published, Termination Boxes must be fitted to the ends of all cable runs. An Antenna Coupler (see T130512) can also be used to terminate a cable end and provide extended coverage via an omnidirectional antenna.

## INSTALLATION

The Termination Box is designed for easy assembly underground without the need for specialized tools or skills. Refer to the Leaky Feeder Manual (MAN-41-00001-01) for cable preparation methods. See System Design Guide drawing (01-20000-05 for VHF or 01-30001-05 for UHF) for device spacing.

## FEATURES

- Compatible with Voice and Data communications
- Saddle and Clamp connections
- Minimum IP55/NEMA4X rated enclosure
- Intrinsically Safe (MSHA Approval 23-A090001-0 & MSHA Approval 23-A090003-0)

## SPECIFICATIONS

Frequency:	100 – 500 MHz (VHF & UHF systems)
Impedance:	75 ohm
Power Requirements:	None
Connections:	Saddle and clamp
Enclosure:	IP55 heavy duty enclosure
Weight & Dimensions:	640 g; 110 (w) x 60 (d) x 75 (h) mm 1.4 lb; 4.3 (w) x 2.4 (d) 3 (h) inches

