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**MINECOM**

A division of TR Corporation

## PC – POWER COUPLING SERIES

- VOICE, DATA, VIDEO CAPABLE
- DUAL POWER INPUT TERMINALS
- TERMINAL AND SADDLE CONNECTIONS
- INTRINSIC SAFE VERSION
- IP66/NEMA4X ENCLOSURE

### DESCRIPTION

PC Power Coupler Module, is a passive device used to inject voltage into the leaky feeder cable. The PC has been designed to isolate DC path of the leaky feeder cable and inject voltage into the leaky feeder cable. The PC can be used to inject a range of voltages into 12, 24 or 48 volts DC powered leaky feeder systems. The PC has 3 PCB mounted DC input terminal posts –

- T1 RED + 12/24/48 volts DC UP link
- T2 RED + 12/24/48 volts DC DOWN link
- T3 BLACK - 12/24/48 volts DC (ground)

Should a leaky feeder cable fault appear on the DOWN link side of the PC it will not effect the operation of the UP link path.

The PC utilises MineCom's proprietary leaky feeder terminal and saddle connections (rather than coaxial connectors which can cause higher losses and voltage drops), designed for easy assembly underground without the need for special tools or skills.



### SPECIFICATIONS

Frequency:	VHF & UHF
Output to Output Isolation:	-20dB Min
Insertion Loss:	0.5dB
Impedance:	75 ohm
Through Current Capacity:	1.5 amps Max
Power Requirements:	None
DC Power Connections:	Colour coded terminal posts
Leaky Feeder Connections:	Proprietary - Brass Screw terminal and Saddle (optional N type)
Enclosure:	IP66/NEMA4X heavy duty enclosure
Weight & Dimensions:	1.0Kgs – 160(w) x 60(d) x 75(h) mm