

PCM – POWER CONTROL MODULE

- 12, 24, 48 VOLT VERSIONS
- DUAL POWER OUTPUT TERMINALS
- IP66/NEMA4X ENCLOSURE



DESCRIPTION

PCM Power Control Module is an active device used to control the voltage injected into the leaky feeder cable via the Power Coupler Module. The MineCom Power Control module takes the place of fuses and circuit breakers used by some manufacturers, both of which must be manually replaced or reset, each time the leaky feeder cable is damaged.

The PCM is actually 2 independent power control modules in the one package, providing 2 independent regulated power outputs. The power control modules will independently 'fold back' (reduce/limit) the current should a module exceed 1.5 amps current drain. Excessive current could be caused in several ways i.e. leaky feeder cable damaged shorting the inner and outer conditions, too many devices installed ect.

The PCM is available in 12, 24 or 48 volts versions. The PCM has a 2 PCB mounted DC INPUT terminal posts and 3 PCB mounted DC OUTPUT terminal posts. The MineCom PCM is designed to limit system outage due to cable damage i.e. should a leaky feeder cable be damaged on the DOWN link side of a PC series, it will not effect the operation of the UP link sier of the PC series.

The PCM is designed for easy assembly underground without the need for special tools or skills.

SPECIFICATIONS

Voltage Input	3 modules – 12, 24, or 48 volts DC
Voltage Output	12, 24, or 48 volts DC
Maximum Current Drain	1.5 amps
Fold Back Current Setting	1.5 amps
DC Power Connections	Colour coded terminal posts
Enclosure	IP66/NEMA4X heavy duty enclosure
Weight and Dimensions	1.0Kgs – 160(w) x 60(d) x 75(h) mm

