

IPM3

INTEGRATED PROTECTION RELAY

PRODUCT BROCHURE

APPLICATION

The IPM3 Integrated Protection Relay is a multifunction, multi-voltage relay designed for use in underground hard rock mining, tunnelling and other industrial applications.

The IPM3 provides all the standard outlet protection functions, selectable pump and fan operating modes and the Ampcontrol wireless Outlet Test System (OTS). A user friendly, industrial strength colour touch screen provides fast and flexible configuration, control, and monitoring.

PROTECTION & CONTROL FUNCTIONS

- AS/NZS 2081:2011 compliant
- Integrated OTS
- Personnel protection
 - Earth leakage,
 - Earth continuity
 - Earth fault lockout, frozen contactor
- Load protection
 - Overload
 - Short circuit
 - Phase current balance
 - Under voltage / under current
- Outlet Functions
 - Fan Protection (Burp mode)
 - Pump Protection (Anti-snore mode)
 - General Outlet protection (Jumbo)
- Ethernet network connection
- Load connection module (LCM)



PUMP/FAN FUNCTIONALITY

Combining multiple starter functions reduces the number of spares started onsite and allows for a standard starter design which reduces site complexity.

SMART LOAD TERMINATION - LCM

The LCM module can replace the diode at the end of the trailing cable pilot conductor. It is powered by and communicates via the pilot line and stores protection settings, allowing load identification and protection settings to be stored in the load/machine. The LCM provides remote start and stop input facilities and 5 temperature inputs.

AUTOMATED PROTECTION TESTING - OTS

The Ampcontrol OTS provides a fully automated and comprehensive outlet testing facility. The OTS enables the IPM3 to undergo routine testing quickly and easily, with all results uploaded to cloud storage when the tablet gains internet access. This satisfies statutory testing requirements whilst also providing a convenient, secure, and comprehensive record management tool.

