ROCKLOGIC™
ENGINEERED BY TRANSMIN

One System. Total Control.

Built on direct feedback from our clients, the latest version of RockLogic for rockbreakers has been reengineered for greater simplicity, flexibility, and ease of use. From streamlined fault finding and improved remote access to smarter diagnostics and safer design, RockLogic puts powerful control at your fingertips, whether you're on site or off. It's automation that works with you, not against you.

REMOTE OPERATIONS SOFTWARE

Portable, easy-to-use software with alarms, 3D Anti Collision System (ACS) visualisation, and real-time feedback for safer, smarter remote control.

IMPROVED DIAGNOSTICS

Enhanced data logging enables tracking of key metrics for easier maintenance and accurate assessment of system health and performance.

SAFETY IN DESIGN

SIL 2-capable safety system (AS4024/ ISO13849) ensures safer operation with minimal disruption, adaptable to suit site-specific needs.

SINGLE PROGRAMMING POINT

All rockbreaker features are now integrated into a single controller, reducing complexity and making fault finding easier and more efficient.

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FREQUENTLY ASKED QUESTIONS

Q What core functionalities does RockLogic provide in terms of control and automation?

A. RockLogic allows for remote operation of rockbreaker and anti-collision avoidance for machine protection.

Q. What communication protocols are supported by RockLogic systems?

A. User interface is via any anybus comms card, client can specify their desired protocol.

Q. What software tools are provided for configuring and programming RockLogic controllers?

A. The remote operation software includes ACS visualisation for checking of the anti-collision system and automatic movements can be configured via the HMI on the LOP panel.

Q. Does the system support real-time monitoring and logging of operational data?

A. All analog data from the HPU is tracked and logged for user reference via file or the HMI. Alarms are logged and can be exported to a file for historical purposes.

Q. What PLC is used for RockLogic?

A. An embedded PC is used as the ACS calculations are too intensive for a standard PLC. A PC allows us to keep all functions integrated to a single controller for better diagnostics.

Q. What safety features are built into the RockLogic control platform?

A. The RockLogic system includes a minimum SIL2 rated safety PLC and can provide slew limiting, boom and jib limiting, area access control (via safety gates).

Q. What is the typical update and patch cycle for RockLogic software?

A. Transmin's service contract includes 4 quarterly inspections and program adjustments for RockLogic systems.

Q. What is the recommended maintenance schedule for RockLogic hardware and software?

A. Transmin recommends quarterly inspections and maintenance for all rockbreakers.

Q. How does the system handle unexpected shutdowns or power loss?

A. Loss of power will trigger an instant stop of the rockbreaker via the locking valves. Once power is restored operation can continue uninterrupted.

Q. What training or certification is available for RockLogic operators?

A. Transmin offer training course at our Malaga factory for operations, fault finding and configuration of RockLogic systems.

Q. How are users authenticated and roles managed?

A. All adjustable parameters are password protected on the RockLogic HMI on the LOP panel.

Q. What visualization tools are available for system performance?

A. The remote operation software includes 3D model visualization to display ACS status on the surrounding machinery.

WANT TO KNOW MORE?

Contact Transmin today to discuss how RockLogic can enhance your site operations.

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