

Control Master®

CONTROL & AUTOMATION
SYSTEMS

LASER GUARD MACHINE CONTAINMENT SYSTEM

The **Control Master®** Laser Guard Machine Containment system has been designed for underground Remote/Teleremote mining applications where multiple entries to a remote mining area need to be guarded from the remote machine exiting the area, as well as personnel entering the area. The master unit can receive signals from up to four (4) control laser unit kits. Each control unit kit consists of two (2) lasers spaced 800 mm apart which gives double redundant operation. This prevents personnel being able to duck under or step over the laser beams without triggering the laser guard.

HOW THE SYSTEM WORKS

If a laser beam is tripped, power is removed from the remote control transmitter causing the machine to neutralise, brakes to apply and the engine to shutdown. The laser unit that has been tripped will be indicated at the laser guard master unit by the corresponding LED changing state from solid green to flashing red. Operations can only be resumed when the tripped laser beam has been inspected, trip cause corrected and both the control and master units have been reset.

FEATURES & BENEFITS

- Improves remote mining safety
- Dual redundancy system
- Prevents machines/personnel entering and exiting the remote mining zone
- Laser guard diagnostics inbuilt into the master unit
- Latest technology that prevents false tripping and operation ensures correct connection

Note: A single area containment system is available for the CM2000D Series Part No. 10148

Multiple Area Containment Kit Part No. 9673



LASER GUARD CM2200 MULTIPLE AREA CONTAINMENT KIT

Part No. 9673

Part No. 9514

Part No. 9525

Part No. 9564

Part No. 9562

Part No. 9581

Part No. 9638

Laser guard master unit

Laser guard control unit

Laser guard dual laser assembly

Laser guard dual laser reflector assembly

Loom to suit laser guard dual laser assembly

Loom to suit laser guard control unit

FOR ADDITIONAL LASERS

Laser Guard Control Unit Kit Part No. 10042



LASER GUARD CM2200 CONTROL UNIT KIT

Part No. 10042

Part No. 9525

Part No. 9564

Part No. 9562

Part No. 9581

Part No. 9638

Laser guard control unit

Laser guard dual laser assembly

Laser guard dual laser reflector assembly

Loom to suit laser guard dual laser assembly

Loom to suit laser guard control unit

Single Area Containment Kit Part No. 10170



LASER GUARD CM2200 SINGLE AREA CONTAINMENT KIT

Part No. 10170

Part No. 9525

Part No. 10144

Part No. 9564

Part No. 9562

Part No. 9581

Part No. 10145

Part No. 2233

Laser guard control unit

Loom to suit laser guard control unit

Laser guard dual laser assembly

Laser guard dual laser reflector assembly

Loom to suit laser guard dual laser assembly

By pass plug CM2200 to suit control unit loom

Power loom to suit transmitter

Manufactured by:



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