

MW Rail Equipment Catalogue

Level Crossing Equipment – M1

A high level of manufacturing finish, engraving on the stainless-steel double door protection, ensure the whole suite of level crossing boxes are the best option available for challenging track side environments. Full spec sheets are available.

- **M10001 – Axle Counter Rest Box**

The Axle Counter Reset Box, designed and built by MW Engineering for level crossing applications, is the rail sector's preferred option and as such, widely used by ARTC across their national tracks and in New South Wales by CRN. The locking design is MW Engineers own proprietary concept and allows for the securing of the authorised keys so that it remains captive whilst the Axle Counter Reset Box is open. Housed in a superior quality, engraved, stainless steel double door enclosure. Full spec sheet available.

- **M10002 – Test Switch Box**

The Test Switch Box enables the highway signals, the half-boom barriers, the warning bells and warning lights (each where fitted) to operate directly from the standby power supply, with the main supply switched off. Full spec sheet available.

- **M10003 – Manual Operation Box**

The Manual Operation Switch is another critical component of the level crossing boxes range. It incorporates a rotary two position switch, Auto and Manual. When set to Manual it activates all warning equipment.

- **M10004 – Emergency Switch Box 5 Lock arrangement**

The Emergency Switch box provides key locked switches, used to deactivate some or all, of the level crossing warning equipment. Includes 2 sets of keys, chains and tags.

- **M10005 - Emergency Switch Box 3 Lock arrangement**

The Emergency Switch box provides key locked switches, used to deactivate some or all, of the level crossing warning equipment. Includes 2 sets of keys, chains and tags.

- **M10006 – Shunters Push Button**

Located on each side of the level crossing. There are two push buttons START and CANCEL. To activate the level crossing warning equipment the START button is pressed, the equipment is automatically deactivated when the rail traffic clears the level crossing. The CANCEL button is used to deactivate the level crossing equipment if the intended movement is not made.

- **M100013 – MLI Push Button**

- **M10007 – Releasing Switch Fortress**

An electric lock located adjacent to a ground frame which when energised enables a switch to be turned to release a key to unlock the ground frame. The releasing switch is interlocked with the signalling. Includes keys and slide bolt.

- **M10008 – Duplex Lock**

A lock operated by an Annett key to release another Annett key which is then used to unlock signalling equipment. One key is always held captive in the Duplex lock when the other is out.

- **M10009 – Emergency Switch Machine Lock [ESML]**

The box enables interlocking with protecting signals and the controlling mechanisms of power operated points so that the points can be manually operated when required in an emergency.

- **M10010 – EOL Box**

EOL boxes house a key lock for the machine at each end of the points. The keys are used to unlock the hand operating lever mounted on the side of the point machine.

- **M10011 – Point Clips Box**

Stainless Steel enclosure with internal hardware for safely housing point clips.

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- M10012 – Emergency Switch Ped Swing Gate – Pedestrian Emergency Switch Box

This Emergency Switch box provides key locked switches and is used specifically for pedestrian crossings. Includes 2 sets of keys, chains and tags.

Control and Switching Equipment - M2

Auto Transfer Switches [ATS]

- M20030 – 100A
- M20031 – 150A
- M20032 – 200A

Auto Bypass Switch ARTC / CRN specification

- M20040 – UPS Auto Bypass Switch

Switches. Bakelite mounted rotary.

- M20050 - Points Switch
- M20051 – Microlok Isolation Switch

Custom Switchboards and Distribution boards

- M20060 – M20100

Solar – M4

The Sentinel Solar Power System is suitable for level crossings and other critical applications. It is pending type approval and fully compliant with ARTC ESD-09-02.

- POA - Sentinel Complete Solar Power System. Modular, scalable, ruggedised designed for trackside conditions.

CSEE / Jeumont Accessories – M5

- M50001 - Mounting Channel
- M50002 – Label Mounting Channel
- M500020 – Power Supply -ACTOM
- M500021 – Transmitter -ACTOM
- M500022 – Receiver – ACTOM
- M500023 – Track Relays - ACTOM
- M50003 – U Mounting Bracket
- M50004 – Adapter Bracket
- M50005 – Obturation Fittings
- M50006 – Coding Plugs
- M50007 - PFC-12 Plugboard
- M500080 -Jeumont Schneider HV Track Side Box – Single Channel – transmitter [Tx]
- M500081 -Jeumont Schneider HV Track Side Box – Single Channel – receiver [Rx]
- M500082 -Jeumont Schneider HV Track Side Box – Double Channel – transmitter [Tx - Tx]
- M500083 -Jeumont Schneider HV Track Side Box – Double Channel – transmitter, receiver [Tx - Rx]
- M500084 -Jeumont Schneider HV Track Side Box – Double Channel – receiver [Rx - Tx]
- M500085 - Jeumont Schneider HV Track Side Enclosure

Track and Test Equipment – M6

- M60001 – Test Strap Kit
- M600011_Test Strap Extension Kit
- M600012_Daisy Chain

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- M600013_Extractor Connector 'Q' Style Relays
- M60002 - Track Test Shunt Box
- M60003 - 20K Shunt
- M60004 - 100K Shunt
- M60005 – Battery Test Resistor
- M60006 - Lamp Proving Module
- M60007 – Battery Voltage Monitor

Miscellaneous – M9

- M90001 – Microlok Plug Coupler Mounting
- M90002 – Microlok Shield
- M90003 – Microlok Mounting Brackets
- M90004 - Taper Bolts
- M90005 - Channel Pins
- M90006 - Channel Pin Starting Punch
- M90007 - Channel Pin Finishing Punch
- M90008 - Removal Punch
- M90009 - Axle Counter Solenoid Parts
- M90010 – Mounting Post for JS HV Track Side Enclosure
- M90011 – Mounting Post for Point Clips Box
- M90012 – M6 Stainless Steel Star Washer for Taper Bolts
- M90013 – M6 Stainless Steel Nyloc Nuts for Taper Bolts
- M90014 – Switchboard parts – enclosure, pole filler
- M90015 – Releasing Switch parts – Frame Bolt & Bracket assembly

Services – 10

- Relay Testing and Certification

Please enquire if you do not see what you need.