MX Traffic Controller Range

Syntell

MX Traffic Controller Range

The MX range offers traffic management solutions starting with the MX Nano, a 2 phase solution for Pedestrian crossings, to 24 phases provided by the LCD processor. A range of housing solutions is offered to accommodate varied requirements, be it small pole mounted enclosures, plinth or root mounted cabinets. Each of the family members are based on easily installed modules which in themselves provide support staff clear and concise information in terms of controller operation and faults relating to the installed configuration and site wiring. Modules have been designed to complement demanding environments including less than ideal handling.

Module wiring is minimal and easily understood by semi-skilled support staff. MX solutions offer a range of options that satisfy a wide diversity of traffic management demands, with solutions that can be tailored cost effectively. To address more sophisticated environments the MX range provides IP interconnectivity to local as well as remote traffic management infrastructures including Ug405 communication that complements UTC based traffic management systems. The MX range interfaces seamlessly with a wide range of ITS solutions, such as magnetic loop, video/thermal, radar and magnetometer vehicle detection solutions.

Technology and innovation – the force behind the Syntell brand

MODES OF OPERATION

Fixed Time, Semi Vehicle Actuated, Full Vehicle Actuated,
Manual Operation (optional), Part Time Flashing, Hurry Call,
Emergency Vehicle Call, Manual Flash Mode,
Fault Flash Mode and UTC and SCOOT, Ug405

CONTROLLER HOUSINGS

Pole, Plinth and for larger systems ground root mounting cabinets to accommodate 2 phase Pedestrian, MX Lite 4 to 8 phases, MX Standard 4 to 12 phases, Larger MX 16 and the root mounted MX 20. Cabinets constructed from aluminium with secure recessed door with multi point locking, optional remote unlocking

NUMBER OF PLANS

50, based on time of day, day of week, selected weekdays, public holidays, special days to a resolution of 1 minute

STREAMS

Maximum of 4 (each operating independently)

NUMBER OF STAGES

32 stages, including All Red, user configurable in terms of plan in which to run phase combinations, priority, demand dependency and duration

NUMBER OF PHASES

2 to 24 phases each being configurable in terms of stage and stream relationship, demand dependency and duration type of movement (MX Nano 2 phase only)

DETECTION

The MX Range interfaces seamlessly with a wide range of ITS solutions and can perform detection using:

• Conventional Loops
• Video (Flir)
• Radar (AGD)
• Magnetic (Sensys)
• Pedestrian Buttons

COMMUNICATION (excl. Pedestrian)

• Communication is established via Ethernet or IP-based connectivity, enabling integration with any standard IP network infrastructure.
• Communication is to the Syntell Remote Management System and for larger systems to a UTC, UTMC compliant based central control system.
• GPS Module to allow accurate time sets to maximize synchronisation.

MX LCD System Processor

- This informative LCD based processor is standard on all Controller variants from 12 Phase and above.
- It is optional for the entire range except the MX Nano.
- The LCD interface option enables review of functional layers of controller functionality, as well as operation of key functions including configuration details associated with the more complex detection options on offer.

MX Maxi Controller

- Cabinet Dimensions: H968mm x W520mm x D260mm
- Plinth Dimensions: H600mm x W570mm x D287mm
- This unit is available in a 4 to 16 Phases in increments of 2 or 4 Phases.
- This unit can do all types of detection and comms depending the configuration of the build.

MX STD Controller

- Cabinet Dimensions: H791mm x W520mm x D260mm
- Pole Dimensions: 2M x 152mm Diameter.
- Plinth Dimensions: H600mm x W570mm x D287mm
- This unit is available in a 4 to 12 Phases in increments of 4 Phases.
- This unit can do all types of detection and comms pending the configuration of the build.
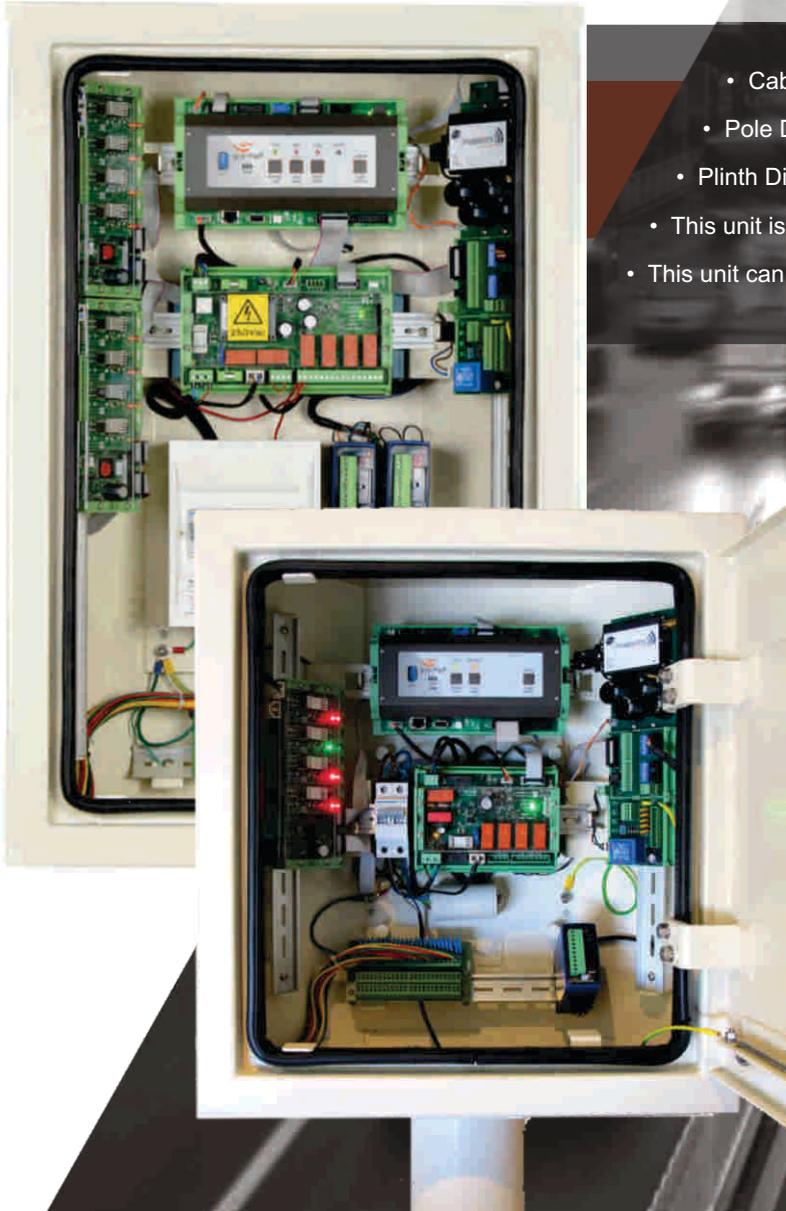
MX Lite Controller

- Cabinet Dimensions: H579mm x W520mm x D260mm.
- Pole Dimensions: 2M x 152mm Diameter.
- Plinth Dimensions: H600mm x W570mm x D287mm
- This unit is available in a 4 to 8 Phases in increments of 4 Phases.
- This unit can do all types of detection and comms pending the configuration of the build.

MX M20 Controller

- Cabinet Dimensions: H1100mnm x W577mm x D384mm
- Plinth Dimensions: H300mm x W570mm x D384mm
- This unit is available in a 4 to 16 Phases in increments of 4 Phases.
- This unit can do all types of detection and comms depending the configuration of the build.

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MX Pedestrian Controller

- Cabinet Dimensions: H300mm x W256mm x D100mm.
- This is a 2 Phase Pedestrian Controller.
- This unit support standard as well as Pelican crossings.
- This controller supports traffic loops or above ground detectors.
- There is no remote communication.

With over 4 decades of experience in the development of road traffic management systems, it is our mission to help SA's cities flow better. Syntell is the leading developer of state-of-the-art road traffic management systems and has partnered with Metros and local authorities across South Africa to unlock innovative, yet practical solutions that achieve tangible results.

We offer complete turnkey solutions for intersection installations, as well as the supply and service of street furniture. Our Area Traffic Control systems (UTC/ SCOOT) and Remote Management Systems (RMS) effectively alleviate traffic blockages and keep traffic moving and make maintenance a breeze.

Through our wholly owned subsidiary Mikros Traffic Management, we supply a high quality range of traffic data collection and weigh-in-motion services. Mikros Traffic Monitoring has established its credentials in this field and currently enjoys the position of being Southern Africa's leading traffic data service provider. In addition to electronic traffic data collection services, Mikros also specialises in the integration of traffic monitoring and control systems for Traffic Control Centres.We also offer an equipment range of in-house developed traffic counting and classification, which we supply world-wide.

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