LATA Control

System Features:

- Distributed Control System.
- Extra Low Voltage control wiring.
- Reduce amount of T.P.S. used in lighting circuits – saving money, resources and labour.
- Increase functionality available to user.
- Ability to integrate security, smoke detection and emergency lighting.
- Very flexible – can be reconfigured in minutes.
- Robust – long life, quality components used throughout construction.
- Designed and built to comply with CE and AS/NZS 3000 standards.
- Simple to install and configure.
- 5 year replacement guarantee.
- Potential energy savings.
- Ability to monitor and meter power usage.
- Potential health benefits – reduces amount of mains frequency radiation in living working and sleeping spaces.
- All plastic casings are recyclable.

Since the wide spread adoption of electrical lighting in the nineteen hundreds, controlling the lights in buildings has either been rudimentary or costly to provide additional functionality and features.

Several systems have appeared in recent times which are capable of providing high levels of functionality. While they do what they claim, they suffer from some major drawbacks.

The engineers at JF2 have a huge amount of experience in the electrical industry and industrial control systems. They took this knowledge and their experiences with other available products and created the Local Area Telemetry Architecture; the under-pinning platform that the LATA Control system is based on.

The result is a distributed control system that reduces the amount of mains cable required to wire the lighting system in most buildings, while providing features and benefits that are often expensive, technically difficult, or impossible to set-up.

The LATA Control system is logical and straight forward to expand. Based on small modules which are positioned close to the fittings they control. The control circuits are wired using plug in pre-made cables or wired directly to the terminals on the modules.

By following a few simple rules, the LATA Control system is easy to install and allows for a different concept of wiring called Logical Wiring.

Additional Functionality

With the LATA Control system, it is simple to provide multi-way switching as well as master or global control functions to turn all lights on or off from a single point.

If a scheduler is fitted to the system, then Time of Day (TOD) functions can be set. This enables timed events to occur for tasks like security lighting, occupancy sensing and load management.

In a commercial situation, a switch may control all the main area lights in an open office, but after 6:30 pm and before 6:30 am week days and weekends/holidays, the switch may turn on the lights for a period of an hour.

At 55 minutes, the system issues a warning and unless a user 'buys' an additional time period by activating the control again, the lights turn off.

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Product Overview

System Profile:

- 24VDC powered with option for battery backing.
- Maximum of 64 nodes on one 'system' with ability to link multiple systems for larger installations.
- All JF2 Network ports must have something in them – first and last port on a system needs a terminator plug.
- Resilient network structure should a fault occur.
- Meets or exceeds all current applicable standards.
- Nodes programmable / configurable over network – no need to physically access nodes to configure or reconfigure.
- Robust – long life, quality components used throughout construction.
- 5 year replacement guarantee.
- All plastic casings are recyclable.

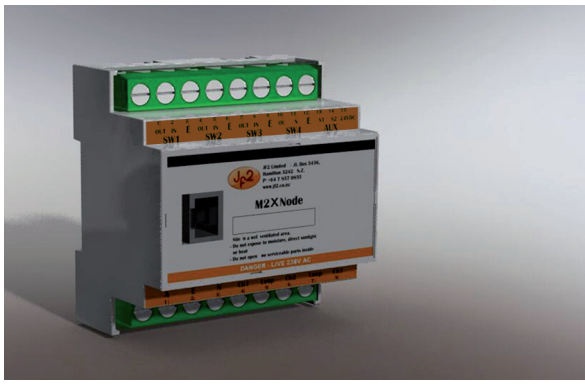
In LATA Control terms, a 'Node' is a device on the LATA Control network. These can be "producers" or "consumers". A producer sends out data onto the network – temperature, light intensity, movement, push button and smoke detection are examples. Where a consumer uses this data to perform an action – relay out, LED indication and data loggers are examples of these. The majority of nodes are both producers and consumers.

Some of the appliances available are detailed here. For a full range or a custom solution, please contact your supplier, installer or JF2 directly.

LATA M2 Node

3 x 230VAC 8 amp switched output
1 x 'clean contact' switched output
2 x analogue or digital in/outputs
4 x digital inputs
4 x output capable of driving LED's
2 x JF2 Network connections

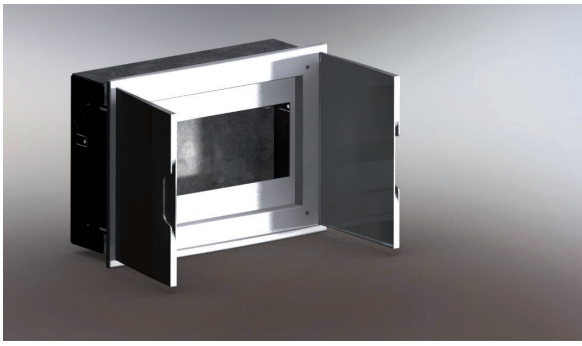
The M2 Node is the standard system appliance. A minimum system comprises of at least one M2 Node, a power injector and a network terminator plug. The IP20 rated case is designed to mount on a standard DIN rail or any other convenient location using the pull-out mounting brackets.



LATA M2X Node

6 x 230VAC 8 amp switched output
1 x extension connection

The M2X Node is an expansion to an M2. This IP20 rated module, which must be located within 1.5 meters of its base M2, expands the switched outputs of an M2 to a total of nine. Each output is individually controllable.



LATA Internal Wall Mounting Termination Box

Generally mounted in a closet, in domestic situations, or some other easily accessible location, these purpose built boxes will take up to three M2 enclosures on DIN rail mounts. They provide sufficient physical space to take the required wiring, while still allowing separation of the mains and low voltage circuits.

The box is flush mounted with a stylish access cover that provides an inconspicuous, easy access installation option.

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