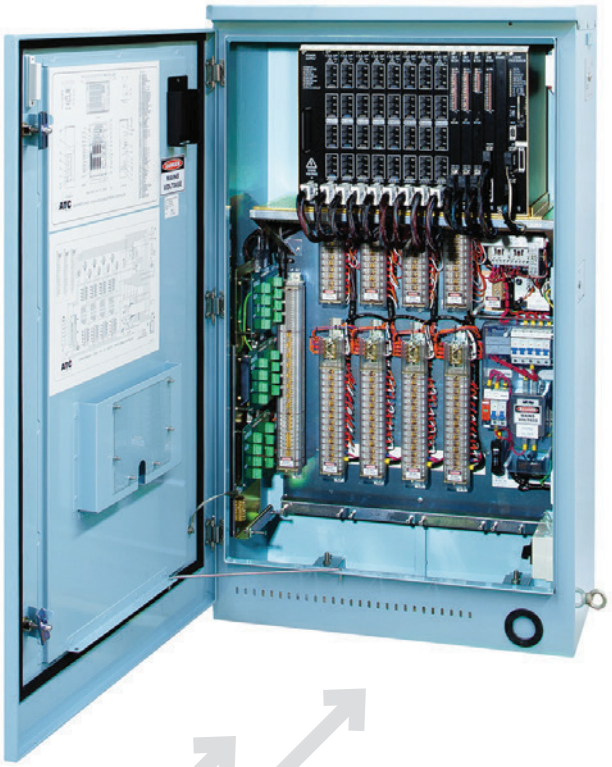

Choose the future

Choose

ATC Moving Traffic

scats

Aldridge Traffic Controllers Pty Ltd

THE ATSC4 TRAFFIC CONTROLLER

Safer 42Vac ELV operation, including high reliability **Dim-By-Wire functionality**.

Reliable and robust

Flexible and future-proofed

Improves traffic safety outcomes

Easy to use

Provides useful data

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THE ATSC4 TRAFFIC CONTROLLER

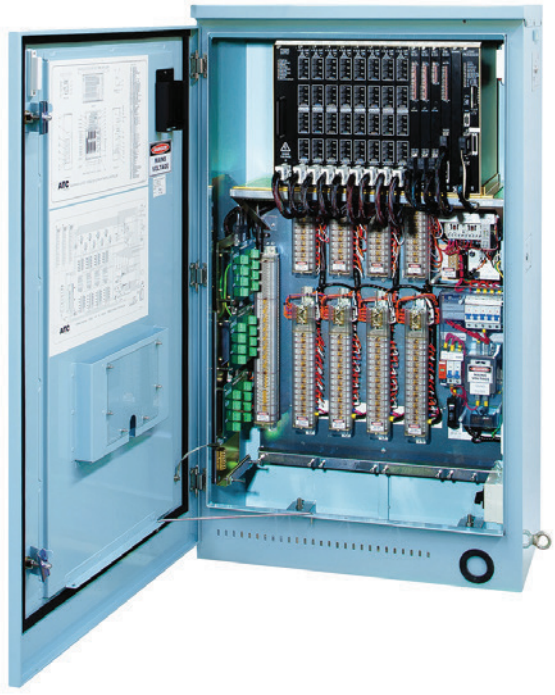
The ATSC4 Traffic Controller is a new generation controller developed by ATC to meet the Roads and Maritime Services (RMS) specification.

Key Features

- Capable of managing up to 32 signal group displays and up to 56 inputs from vehicles, pedestrians, bicycles or emergency services.
- Fully SCATS® compatible - can be connected to SCATS® for system operation or in mains frequency coordinated flexible plan operation – and can also operate independently, in isolated mode.
- Designed and developed to internationally accepted safety standards, key safety features include last red out detection and flashing yellow during malfunctions.
- Designed for all weather conditions, the ATSC4 comes in aluminium housing with an anti-graffiti powder coating.
- 42Vac ELV Dim-By-Wire technology for higher dimming reliability.
- Modular construction makes maintenance easy.
- Capable of controlling a wide range of different lantern technologies with various load types.
- Unique and easy to use windows-based user interface software. The interface delivers a comprehensive colour screen display of the live intersection, communications monitors, lamp switching and detector inputs with access to all controller operational functions including fault reporting.
- Meets and supports all the functional and operational requirements of the new generation VC6 traffic software, as well as supporting VC5.

Functionality

- Supports up to 32 Signal Group outputs
- Up to 48 vehicle detector inputs plus 8 pedestrian inputs, or up to 36 external inputs (pedestrians, emergency vehicles, railway inputs)
- Provision for pedestrian demand indicator displays
- Functionality provides for two daily event outputs (for example to turn ‘No Right Turn Sign’ on)
- Communications ready for connection to SCATS® via an Ethernet interface using the TCPIP protocol via a local network gateway or 3G modem, ADSL or PSTN networks directly



Timing Functions

- User defined and intersection specific time settings
- Time settings include variable minimum green and ability to count vehicles arriving on red
- Timers monitor the input from vehicle detectors and adaptive personality functionality assesses traffic density and generates appropriate times to ensure efficient use of available green time
- Pedestrian timers provide safe time settings for pedestrian and bicycle movements

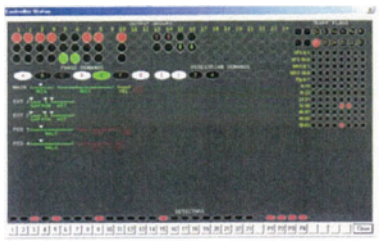
Traffic Signal Display

- Solid state switching of all signal groups enables accurate monitoring
- Able to control a wide range of different technologies (incandescent, quartz halogen and LED signal lanterns)
- Lamp fault monitoring feature with reporting functions to improve maintenance
- Last Red out feature for safety with a flashing yellow failsafe display
- Ability to dim lanterns at night

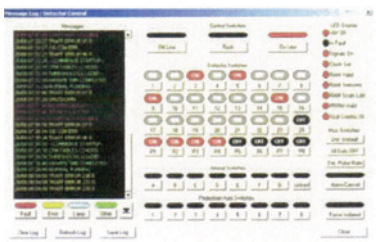
Safety Monitoring and Reporting Systems

- Controller 'watchdog' software monitoring system
- Separate hardware and software conflict monitoring
- Plain language message log for ease of use
- Logs all equipment and network malfunctions

ATSC4 Internal Timers



ATSUI Fault Log Screen



Power Features

- Capable of managing various load types including ELV (42Vac) signal operation
- Low mains voltage shutdown protection
- Designed to withstand over-voltage conditions
- Designed to accept input from an external generator, UPS or battery backed flasher supply
- Voltage regulation feature
- A lower power version is available for driving LED signal lanterns with better wattage reporting resolution

User Interface Software

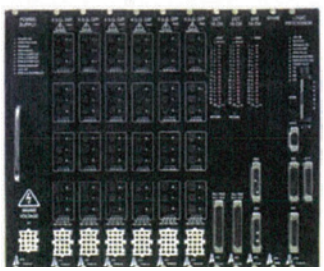
Unique and easy to use window-based software that uses a menu system to display:

- Fault Error Log
- Group/Phasing Display
- Real Time Graphic Intersection Display
- Detector Diagnostics
- View SCATS® Communications
- Lamp loads for each signal group
- Dimming and Regulation Details
- External Inputs and Auxiliary Outputs
- Personality Prom Details
- Group Flash in Test Mode
- Optional Hand Held Terminal (HHT)

Software and programming tools available:

- PCMCIA Cardbus card
- XPM Dongle
- USB interface personality programmer with PC software

24 Signal Group Head



Active Map Layout

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THE ATSC4 TRAFFIC CONTROLLER

Communication Options

- Native Ethernet interface on Logic Processor
- Support TCPIP protocols
- Can be connected to TCPIP Gateway, Gateway with Fibre Optic WAN, integrated 3G/4G UMTS WAN or to Gateway with ADSL WAN

Additional Options

- An 8 channel pedestrian wait output interface to drive external equipment
- Interface to external detectors such as video detectors, radar detectors, magnetometer detectors
- Internal or External UPS connection available (ICUPS and ECUPS)

Housing

Various housing options available:

- 3 standard housing sizes
- Double door and top hat options suitable for housing CCTV, comms and network devices
- Custom housing available if required

1 ITEM 4 WITH OPTIONAL TOP HAT *FITTED
2 S TYPE SMALL FOOTPRINT
3 STANDARD ATSC4 GROUND MOUNT
4 P TYPE POST MOUNTED
5 DUAL DOOR

* TOP HATS AVAILABLE IN TWO SIZES

www.atsc4.com.au

ABN 44 098 257 035

Certified System Quality ISO 9001 SAI GLOBAL
Certified System Environment ISO 14001 SAI GLOBAL
Certified System Health & Safety AS/NZS 4801 SAI GLOBAL

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