



# EUROTEC

## HVAC Business Unit

### Newsletter

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Control Panel Solutions



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### SPOTLIGHT ON: HVAC Mechanical Service Switch Boards

Control Panel Solutions (CPS) is a division of Eurotec Ltd and has been building control panels for the HVAC industry since 2008. CPS integrates and value-adds to the extensive range of HVAC controls and building management systems offered by Eurotec across New Zealand.

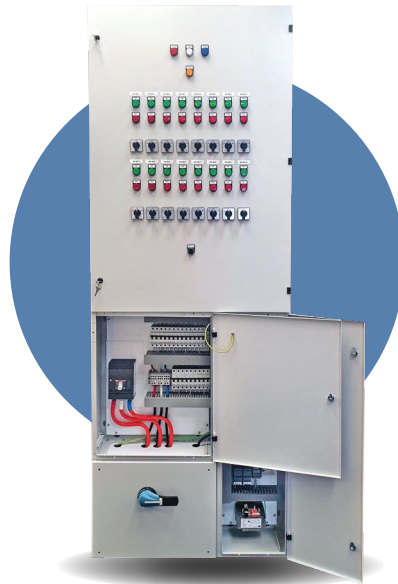
We can offer variety of customized switch board panels based on tender specifications for turnkey solutions. These can include controls if required. All of our panels are tested before despatch leading to 80% of commissioning done before the panel arrives on site. Some of our standard control panel solutions are stairwell and lift shaft pressurisation control and carpark ventilation control.

#### Some of our recent projects include:

- Whangarei Boys High School
- Waterview Primary School
- MetLife Care Fairway Gardens
- Fortune Street Apartments

Our engineers are technically qualified and skilled to program/engineer the controls based on user application and requirements. All panels are supplied with full detailed wiring schematics for field wiring.

For more information visit our website [www.eurotec.co.nz](http://www.eurotec.co.nz) and contact us directly for pricing at [sales@eurotec.co.nz](mailto:sales@eurotec.co.nz)



### Whangarei Boys' High School Mechanical Services Switch Boards

CPS supplied a series of Mechanical Services Switch Boards for all new buildings at Whangarei Boy's High School using a BMS System.

- All boards contained Run Fault indication for connected equipment as well as Auto/Off/Manual switching.
- The mainboard contained the Mitsubishi central controller for the VRF system and was integrated into the BMS for monitoring purposes.
- The complete panels were tested before dispatch and supplied complete with wiring diagrams to provide an easy installation and commission on site.



Control Panel Solutions

A Division of Eurotec Ltd



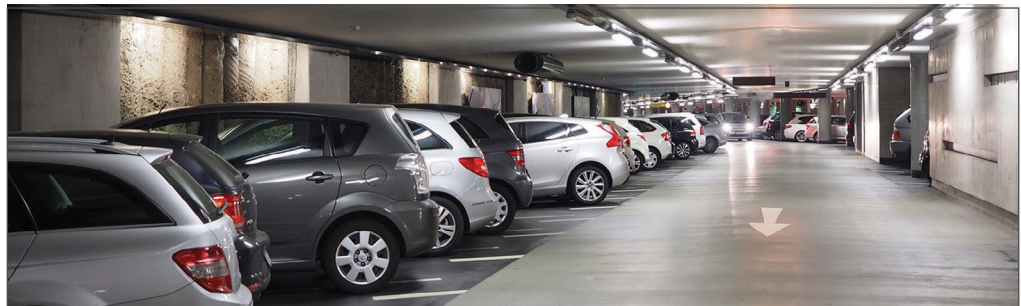
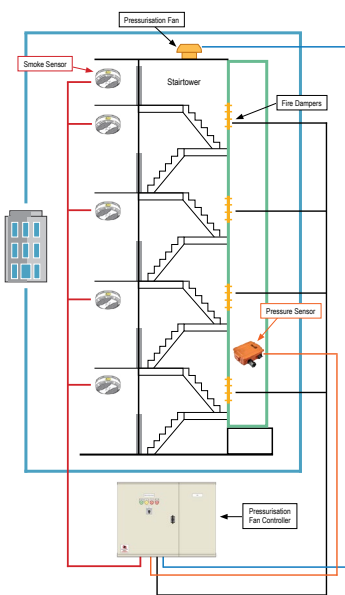
## Stairwell & Lift Shaft Pressurisation Solution



One of the most hazardous situations that a building can face is smoke. While fires themselves are often damaging, smoke can cause the most injuries.

A smoke control system controls the flow of smoke in a building in the event of a fire. It keeps smoke from spreading through the building and gives the occupants a clear evacuation route, as well as preventing further damage to the building's interior.

Eurotec have developed the Lift Shaft & Stairwell Pressurisation Controller, which enables control of the pressurisation fan in your stairwell or lift shaft during a fire hazard. It does this by monitoring smoke sensors placed in the supply duct and stairwell/lift shaft.



## Car Park Ventilation Controller

The Car Park Ventilation controller enables control of car park fans (exhaust/supply/jet fans) via Modbus control signals. Multiple zones can be set up using expansion modules, for managing and monitoring car park fans and sensors.

The controller operates the car park ventilation system in accordance with AS 1668.2:2012 by checking carbon monoxide levels and regulating the ventilation system. Expansion modules can be added to the system for individual zone control and Mechanical Service Switch Board control (Auto/Off/On).

The controller can also be integrated into the building Fire system and will operate in accordance with AS 1668.1:2015.

The Carel c.pCO Mini controller can monitor up to 256 devices via Modbus Communication. Therefore, the controller can be configured to any requirement.



View our HVAC Control Panel Solutions Brochure for further CPS projects and information.

[View Brochure](#)

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