

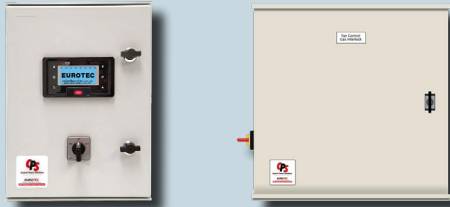


HVAC Business Unit Newsletter

Issue 40

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Control Panels for HVAC&R Applications



Inside this issue:
Control Panels for HVAC&R Applications



SPOTLIGHT ON: Control Panels for Car Park and Commercial Kitchen Ventilation Solutions



Control Panel Solutions (CPS), a division of Eurotec Ltd, has been designing and building high-quality control panels for the HVAC&R and industrial sectors since 2008. CPS complements and enhances Eurotec's extensive range of HVAC&R and electrical control and monitoring solutions, which have been trusted by the New Zealand industry for over 35 years. By offering pre-wired, custom-engineered panels, CPS ensures seamless plug-and-play installation on-site—saving time, reducing costs, and improving efficiency for every project.

CPS is backed by Eurotec's industry and application expertise, delivering high-quality control panels at competitive prices. We focus on providing customised solutions tailored to meet each client's specific application needs.

With a wide range of in-house expertise and products, we have the ability to produce complete turnkey control panel solutions that are pretested and programmed before going to site, therefore minimizing the installation time and providing faster on-site commissioning.

Car Park Ventilation Solution

Enclosed or underground car parks require effective ventilation to maintain air quality and ensure the safety of occupants. Harmful vehicle emissions such as carbon monoxide (CO) and nitrogen dioxide (NO₂) can accumulate quickly in these confined spaces, posing serious health risks and violating building code compliance. A well-designed car park ventilation system removes these pollutants.

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.

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



Contact your local Eurotec HVAC Sales Engineer or give us a call on 09 579 1990.

Commercial Kitchen Ventilation Solution



Maintaining proper airflow in commercial kitchens is essential for ensuring a safe, comfortable, and compliant working environment. Effective ventilation not only removes smoke, heat, and odours, but also helps protect diners and staff by preventing the spread of fumes into adjacent spaces.

Our plug-and-play ventilation control unit is designed to interlock the extract and supply system in a commercial kitchen. This setup ensures that smoke and fumes are effectively contained and do not escape into the dining area. The addition of a pressure switch, can prevent overheating of the extract system if the fan is not working or the duct is blocked by shutting down the gas supply.

For control, there is an ON/Off switch with a trim pot which can be placed inside your kitchen. All of the controls and drives are housed in an IP66 enclosure and are preprogrammed, saving you costs on setup time.

The unit consists of:

- IP66 metal powder coated enclosure
- Air pressure switch and tubing kit
- Interfaced to speed control pot
- Output for gas solenoid
- Outputs for option indication lights



Contact your local Eurotec HVAC Sales Engineer for further information on the products mentioned in this newsletter or to discuss your project requirements.

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