



Carpark CO₂ Monitoring and Control Solution

Increase your air quality and energy efficiency

Innovation for generations.

SIEMENS

Car Park Exhaust Systems

Mechanical Car Park Ventilation Systems are essential for all underground parking structures. Not only do these systems remove hazardous exhaust gases to ensure cleaner air within the parking area, they allow fire authorities the ability to purge smoke in the event of a fire.

In many cases, car parks can be over-ventilated with exhaust fans running at full speed, 24-hours a day. This excessive energy consumption **may** be greatly reduced with the implementation of a gas detection control system, delivering energy and cost savings whilst still maintaining a safe and comfortable carpark environment.

Siemens & MSR

Siemens has teamed with MSR Electronic, a world leader in gas detection equipment, to offer a complete, standalone car park ventilation solution compliant with AS 1668.2 (2002).

The Solution

Utilising CO (and NO) monitoring devices coupled with Variable Speed Drive-controlled ventilation fans; a Siemens Car Park Ventilation System not only ensures harmful gases are maintained at a safe level, but also delivers significant energy and cost savings.

The Siemens Car Park Ventilation System is pre-programmed with both occupied and un-occupied control options. Either mode may be easily selected upon installation, or modified at a later time to accommodate any change in system or application design. A selectable purge cycle can also be tailored to suit any site requirements using the integrated 365 day time-switch.

Zone Sensor Monitoring

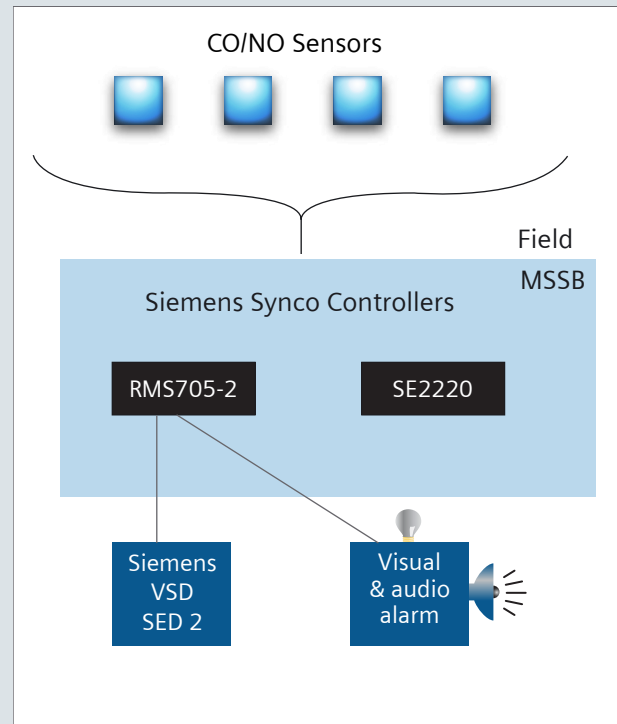
As required by Australian Standards, every zone sensor is constantly monitored for fault. In the event of a sensor failure, an alarm is raised and full ventilation is initiated until the problem is resolved.

Audio/Visual Alarm

The Siemens Car Park Ventilation System includes a combination strobe and sounder for audio and visual alarming. There is facility to wire an "alarm acknowledge" push-button for convenient muting of the audio alarm during system investigation.

features include:

- selectable occupied/un-occupied modes
- integrated 365 day time switch
- selectable time switch purge
- two stage alarm (flashing light + sounder)
- externally resettable faults (sounder acknowledge)
- detects failed zone sensor and provides alarm and full ventilation



Siemens Ltd.

www.siemens.com.au

All rights reserved. All trademarks used are owned by Siemens or their respective owners.

© Siemens Ltd. 2009

885 Mountain Hwy, Bayswater
VIC 3153, Australia



Mixed Sources
Product group from well-managed
forests and other controlled sources
www.fsc.org Cert no. SGS-COC-004630
© 1996 Forest Stewardship Council



Printed in Australia