



Electrical & Instrumentation Business Unit

Issue 30 Newsletter December 2023



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SPOTLIGHT ON: Orbis DETECO2, an indoor air quality controller



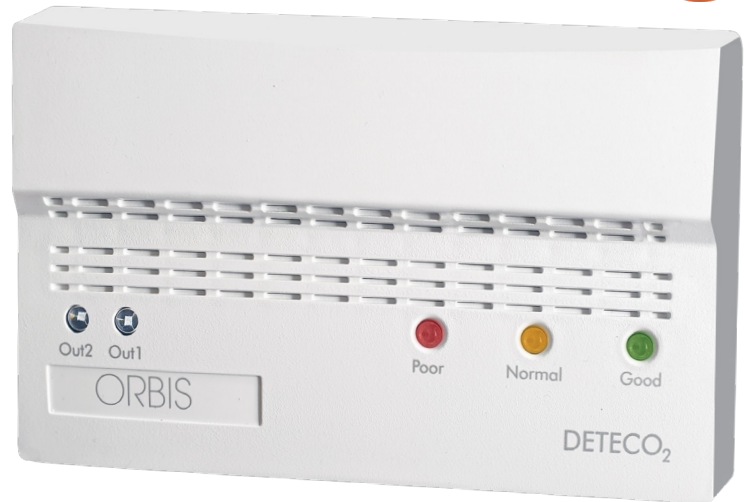
ORBIS aims to foster health and safety with DETECO2 to control air quality in enclosed spaces.

Orbis DETECO2, the wall mount CO2 detector, is designed to continuously monitor the concentration of Carbon Dioxide levels in spaces such as offices, classrooms, commercial premises, waiting rooms, restaurants, hotels, etc and control ventilation systems to eliminate any risk to people.

In addition, it warns and acts when excessive levels are reached by providing air temperature and humidity measurements to achieve maximum comfort in the room.

Features

- Protects against colourless and odourless gases with harmful effects on human health in residential and industrial environments, as well as in offices or business premises. Enables associated solenoids or ventilation and temperature regulation systems to be activated.
- LED light indicator based on CO2 concentration level.
- Output 1 is activated with concentration values higher than 700 ppm and output 2, with values higher than 1300 ppm.
- The relay operation logic can be configured as normally open or normally closed.
- The measurements offered by the analogue outputs are: CO2 from 0 to 2000 ppm, temperature from 0 to 50°C and relative humidity from 0 to 100%.



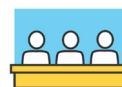
Three LED pilot lights indicate the level of CO2 concentration.

- **GREEN:** concentration < 800 ppm which is deemed to be adequate.
- **ORANGE:** 800 – 1200 ppm concentration; there will be an alert due to high CO2 concentration level; ventilation of the room is recommended.
- **RED:** concentration > 1200 ppm which means maximum risk.

Applications include:



Offices



Classrooms



Shops



Restaurants



Hotels

For more info contact your local Eurotec Sales Engineer or give us a call: 09 579 1990 or email sales@eurotec.co.nz



**Secure
your spot
today**

Category 1 Thermography Certification Course

Why the course is important?

Master all camera features to tackle thermography challenges.

Who is the course for?

Electricians, Insurance reporters, Building Inspectors, Industrial Maintenance Inspectors, Inspectors of solar energy/photovoltaic systems.

What do I need to bring?

A laptop and headphones for use during the course.

What to expect?

Our rainer will conduct the course via Microsoft teams, with Eurotec qualified thermographers managing the class and assisting with practical lessons.

Do I need to have a specific brand of camera?

No matter what brand of camera you have, this course will teach you how to use your thermal imaging camera to it's full potential and give you the tools to become a Category 1 Qualified Thermographer. If you don't have a camera yet, we can provide cameras for the duration of the course.

Date: 26th Feb - 1st March 2024, 9am - 5pm

Cost: \$2,980+GST per person

Location: Eurotec Auckland Office, 750C Great South Road, Penrose

Eurotec Christchurch: 30A Carlyle Street, Sydenham

(Morning Tea, Lunch & Afternoon Tea provided)

testo 883 Thermal Imager for Electrical and Insurance reporting application

A 'must-have' tool kit for electricians, maintenance staff, facility managers & building energy consultants who wish to rely on the best thermal image quality and features for their thermal measuring tasks.



EUROTEC People • Technology • Solutions
HVAC • Refrigeration • Electrical • Measurement

member of CAREL group

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