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Orbis CITYLUX, a twilight switch



SPOTLIGHT ON: Orbis DETECO2 and Orbis CITYLUX

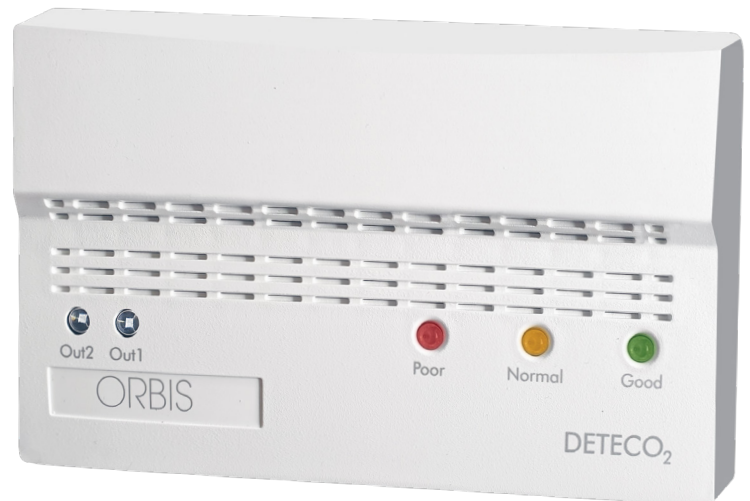
ORBIS aims to foster health and safety with DETECO2 to control air quality in enclosed spaces.

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%.



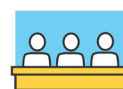
Three LED pilot lights indicate the level of CO2 concentration.

- **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



Orbis CITYLUX

ORBIS CITYLUX, a twilight switch, has been specially designed for outdoor installation, ensuring high protection level against water and dust ingress (IP65).

With a discreet design and small dimensions, it controls the switching on and off of outdoor lighting based on sunrise or sunset.

Recommended for entrances, gardens, swimming pools, and residents' associations.

Its IP65 rating guarantees a high level of protection against water and dust ingress and ensures its operation under demanding environmental conditions.

Features

- Includes a PG9-type cable gland with IP68 protection to mechanically hold electrical hoses and to ensure watertight sealing of the connection terminals.
- To activate the load, it is equipped with a high-capacity zero-crossing relay to switch up to 500 VA for LED-type loads.
- Simple N/O contact with potential.
- Quick-connection terminals with dual connector for phase, neutral and lamp return.
- Easy external adjustment of the lighting activation threshold and selected threshold indicator light.
- 50-second activation/deactivation delay to prevent unintended switching on/off due to sudden lighting level variations.
- Connection cover pre-cut for supply cable entry.

Applications include



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