FCO2TF65-wg Wireless CO$_2$ sensor with signal

Wireless indoor CO$_2$+temperature+humidity sensor pure white glossy for single mounting 84x84x29 mm or mounting into the E-design switching system. With controlled LED display according to the ambient air quality and brightness. Additionally with warning signal at level red. Standby loss only 0.4 watts on average. Power supply with a 12 V DC power supply unit. Smart Home sensor.

The sensor measures the CO$_2$ content of the air up to 2550 ppm, as well as the temperature 0 to 51°C and humidity 0 to 100%.

For CO$_2$ measurement, the NDIR technology (Non Dispersivee InfraRed) is used with automatic self-calibration ABCLogic™ (Automatic Background Calibration).

Power supply with a switching power supply unit FSNT61-12 V/6 W in a flush-mounted box below the sensor. Pulsed power consumption every 3 seconds for 1 second 80 mA.

The complete module can be removed from the frame for screw mounting.

We recommend stainless-steel countersunk screws 2.9x25 mm, DIN 7982 C, for screw connections. Both with rawl plugs 5x25 mm and with 55 mm switch boxes. Set of 2 stain-less-steel countersunk screws 2,9x25 mm and plugs 5x25 mm are enclosed.

Within 2 minutes the color of the LED may change potentially according to the indoor air quality: lights green up to 750 ppm, lights yellow from 751 to 1250 ppm and flashes red from 1251 ppm.

The LED flashes red excitedly with a defective CO$_2$ sensor.

In operation a warning signal at level red sounds every 3 minutes for 5 times.

A light sensor adjusts the brightness of the LED dependent on the ambient brightness.

After connecting of the power supply a teach-in telegram is sent, then at a change of at least 5% the data telegrams will be sent within 60 seconds. If nothing changed a status telegram is sent after 10 minutes. The sending of the telegrams is displayed by one flashing of the LED.

The correct actual temperature is measured only about 30 minutes after connecting the supply voltage due to the temperature compensation of the electronics.

The wireless sensor can be taught in the actuators listed below and in the Wireless Building Visualisation and Control Software: F2L14

FCO2TF65-wg	CO2+temperature+ humidity sensor, pure white glossy	EAN 4010312315880	272,40 €/pc.