

F2077IAQ-O3 Ozone Gas Monitor/Controller

O3 Detection and Controlling with Temperature/Humidity Detection

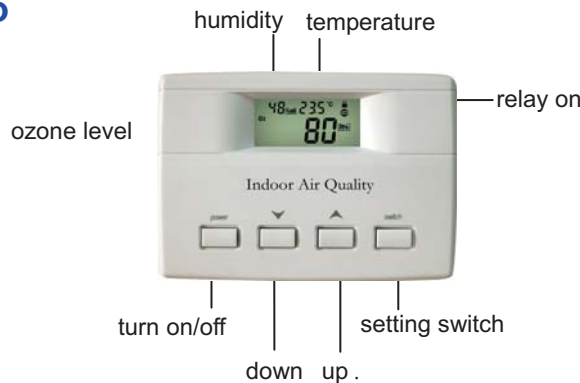
Indoor Air Quality
Beltéri Levegőminőség Kft.

- ① Real time detecting environment ozone gas
- ① Temperature & Humidity detection
- ① Wall mount with LCD display
- ① Provide one on/off dry contact relay output to control an ozone generator or a fan
- ① Provide an analog output with a linear over full range output
- ① Provide RS485 interface to PC or other DDC
- ① Strong function, high performance, low price

① Features

- ① Real time detect ambience ozone gas level
- ① Detect temperature and humidity at the same time
- ① Wall mounted with LCD display
- ① LCD can display ozone, temperature and humidity, also ventilation device status etc.
- ① Ozone measured range:10ppb~1000ppb;
Temperature range: 5~45°C; relative humidity range:5 ~ 95%RH
- ① Japanese semiconductor sensor inside, high sensitivity to ozone gas
- ① Low power consumption
- ① Provide 1X relay dry-contact output for an ozone generator or a fan control selectable
- ① Provide 1Xanalog output (0~10VCD/0~5VDC) to correspond with ozone level adjustment
- ① RS-485 communication interface, 15KV antistatic protection, independent base address setting

① Buttons and LCD



① Specifications

Gas detected	Ozone gas
Sensing element	Japanese semiconductor gas sensor
Life time of ozone sensor	More than 5 years
Temperature sensor	NTC
Humidity sensor	HS series capacitive sensor
Power supply	24VAC/24VDC (220VAC/110VAC selectable in orders)
O3 measuring range	10ppb~1000ppb (0.01 ~ 1ppm)
Display resolution	1 ppb
O3 measuring precision	± 10ppb + 20% reading

Temperature measurement range	0~ 50°C(32~ 122°F)
Temperature setting range	5~ 45°C(41~ 113°F)
Humidity measurement range	0~ 99%RH
Humidity setting range	5~ 95%RH
Analog output	0~ 10VDC linearized output
Output resolution	10Bit
Relay output	One dry contact output to control a ozone device or a ventilation device Rated switching current 2A(220VAC/30VDC), resistance load
Communication interface	RS-485, 9600/14400/19200(default)/28800 or 38400bps (programmable selection), 15KV antistatic protection, 3 independent base address, max network node 31
Operation temperature	0~ 50°C
Operation humidity	0~ 95%RH, non condensing
Storage conditions	-10~ 60°C
Net Weight	260g(24VAC) 300 g(110VAC/220VAC)
Dimensions	120mm×90mm×24mm for 24VAC/DVC power supply 120mm×90mm×24mm+28.5mm bulge for 220VAC/110VAC power supply
Installment standard	65mm x 65mm or 2"x 4" wire box
Interface connections (Max.)	10 terminals
Wiring standard	Wire section area <1.5mm ²
Manufacturing process	ISO 9001

Models

Model	Characteristic
F2077IAQ-O3-1001-(A)/(B)(C)	Ozone monitor & controller with 1Xon/Off relay output (A): Power supply 220VAC~240VAC (B): Power supply 100VAC~120VAC (C): Power supply 24VAC/24VDC
F2077IAQ-O3-1011-(A)/(B)(C)	Ozone monitor & controller with 1Xon/Off relay output and 1X analog output
F2077IAQ-O3-1001C-(C)	Ozone monitor & controller with 1Xon/Off relay output, RS485 communication interface
F2077IAQ-O3-1011C- (C)	Ozone monitor & controller with 1Xon/Off relay output and 1X analog output. RS485 communication interface

Mounting

