



Plug & Play Carbon Dioxide Controller for CO2 Generator

Model # : F2000TSM-CO2-L010-SP-PP

CE Approval

■ Features

- ◆ Real-time detecting CO2 level with wall-mounting type generator(American standard)
- ◆ NDIR infrared CO2 module inside with four CO2 detection range selectable.
 - ◆ Easy to install with wall mount bracket
- ◆ CO2 sensor has Self-Calibration Algorithm and more than 10 years lifetime
 - ◆ 100~230 Volt power supply with a power adaptor
- ◆ Six indicator lights to indicate six CO₂ ranges
 - ◆ An on/off output with 6A relay to control a generator, four CO2 levels selectable for the relay switch by two jumpers
- ◆ Optional Plug&Play cable which connected with a CO2

■ Specifications

Power supply	24VDC with a power adaptor
Consumption	1.5W Max
CO2 sensor	Non-Dispersive Infrared Detector (NDIR) ABC Logic Self Calibration(default: ineffective)
CO ₂ measuring range	0~2,000ppm
Accuracy	±60ppm + 3% of reading @25°C(77°F)
Stability	<2% of FS over life of sensor
Response time	<2 minutes for 90% step change
Warm up time for turning-on	2 hours (first time), 2 minutes (operation)
6 green LED lights	1 st green light on as CO2 measurement≤700ppm 2 nd green light on when 700ppm<CO2 measurement<900ppm 3 rd green light on when 900ppm<CO2 measurement<1,100ppm 4 th green light on when 1,100ppm<CO2 measurement<1,300ppm 5 th green light on when 1,300ppm<CO2 measurement<1,500ppm 6 th green light on as CO2 measurement>1,500ppm
Dry contact output	Max. switch current: 6A (load resistance) Four CO2 levels selectable to control the relay by jumpers CO2≤700ppm the relay is on and CO2≥900ppm the relay is off CO2≤900ppm the relay is on and CO2≥1100ppm the relay is off CO2≤1100ppm the relay is on and CO2≥1300ppm the relay is off CO2≤1300ppm the relay is on and CO2≥1500ppm the relay is off (default)

Operation conditions	0~50℃(32~122°F); 0~95%RH, non condensing
Storage conditions	0~50℃(32~122°F); 0~80%RH, non condensing
Dimensions/Net weight	100mm×80mm×24mm (H X W X D) /110g

■ Application

F2000TSM-CO2-L010-SP-PP controller is used to monitoring and control CO2 level in greenhouse and other similar applications, providing one 6A relay output to control a generator on/off.

■ Connection and Mounting



Plug&Play
Cable

Bracket
(Mounting on the wall)

Power Adaptor

