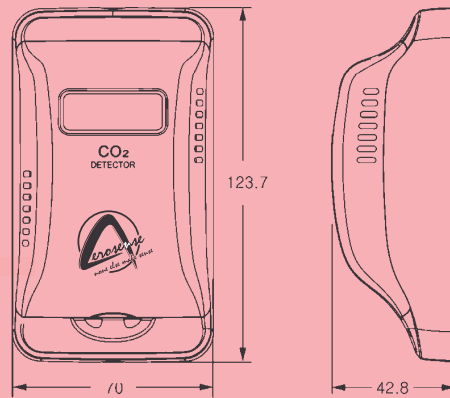




CARBON DIOXIDE TRANSMITTER



Dimensions (unit : mm)



Series CDT-100-RLY, Carbon Dioxide Transmitter with analog and relay output which is 6-wired supporting i.e. 4 + 2 wired (2 Power lines, 2 signal lines and 2 relay lines)

FEATURES:

- **CO2 Sensor:** NDIR (Non-Dispersive Infrared) technology
- **Analog Voltage/Current Output:** (6-wired)
0/4-20Ma or 0/2-10V- settable by switch
- Models available with SPST (Single Pole, Single Throw, normally open) relay output.
- **Re-Calibration function:** 10 minutes' manual recalibration is executable with TRB-100 tool
- **Size:** 123mmX70mmX43mm

SPECIFICATIONS:

- **Operating Temperature range:** -10 to 60°C
- **Operating Humidity range:** 0 to 95% RH
- **Storage temperature:** -30 to 70°C
- **Measurement range:** 0 to 2000 ppm
(5000/10000 ppm is settable with jumper)
- **Accuracy:** ±30ppm ±3%
- **Response time:** 150 seconds
- **Sampling interval:** 3 sec

Model NO	Specifications
CDT-100-RLY	Carbon Dioxide Transmitter with relay output
CDT-100-RLY-LCD	Carbon Dioxide Transmitter with relay output & display

ELECTRICAL DATA

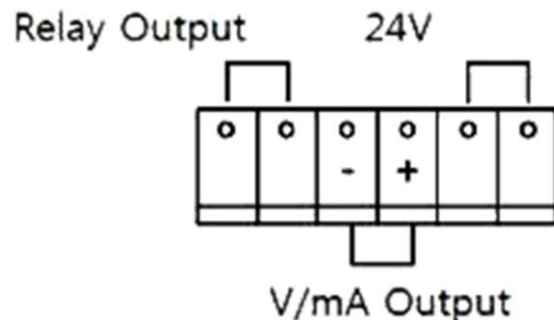
Input power: 24VAC ±20%, 50/60 Hz or 24VDC (12-36 VDC)

Output Connector:

4-20mA is default
2-10VDC, 0-10VDC or 0-20Ma is settable by jumper)

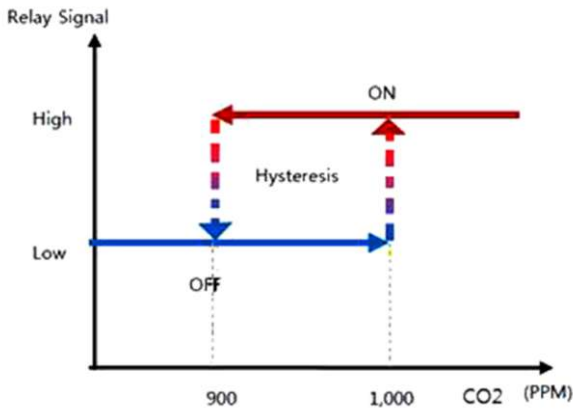
Relay Output:

Contract Rating: 1A/120VAC
Configuration: SPST, Normally Open relay
Relay Activated: On ≥ 1000 ppm
Relay Deactivated: Off ≤ 900ppm



Wiring method for CDT-100-RLY

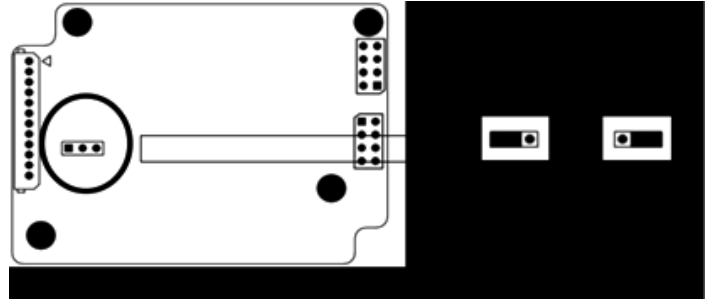
CARBON DIOXIDE TRANSMITTER



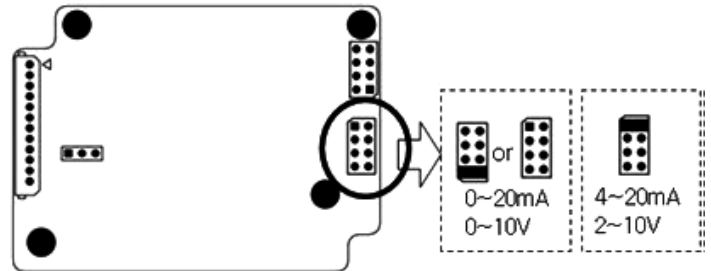
Relay is on signal is designed to be activated when CO2 measured, value surpass 1000 ppm and deactivated down to 900 ppm to avoid unwanted rapid switching by hysteresis effect.

Relay activation and deactivation point could be changed on sale as option.

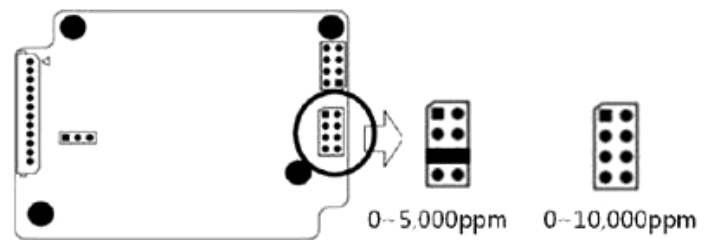
JP1 Output Selection



JP2 Output Selection



JP2 ppm range Selection



Example JP1, JP2 Selection

(For current output, 0-5000 ppm range, 4-20mA output selection)

