

Carbon Monoxide (CO)

Transmitter Model : ESCO-200 / ESCO-200L



ESCO-200L (with LCD Display)



ESCO-200

General

ESCO-200 and ESCO-200L are the Transmitter type CO Sensor, which is for the industrial controller's 4-20mA input device. There are two output modes- current mode (4-20mA) and voltage mode (2-10V). The ESCO-200 are easily installed and applied to your system.

Features

- Semiconductor used to measure CO levels.
- Output mode : 4-20mA / 2-10V
- Optimum for parking lot, tunnel and under ground places
- Size : 123.7mm x 70mm x 42.8mm
(Length x Width x Thickness)

ESCO-200 CO Detector

Specifications

General Performance

Operating Temperature range

-10 ~ 50°C

Operating Humidity range

0 ~ 90% RH (Non-condensing)

Storage Temperature

-30°C ~60°C

Storage Humidity

0~95%RH (Non-condensing)

CO Measurement

Sensing Method

Semiconductor

Measurement Range

0 to 250 ppm / 0 to 300 ppm

0 to 500 ppm / 0 to 1,000 ppm

Accuracy

At 23°C, 50%RH

0~100ppm : ±15% FS

100~250/300/500/1,000ppm : ±25% FS

Response Time

Within 5 minutes

Sampling Interval

30 sec.

Electrical Data

Power Input

24VDC (3-Wire) or 24VAC/24VDC (4-Wire)

Output

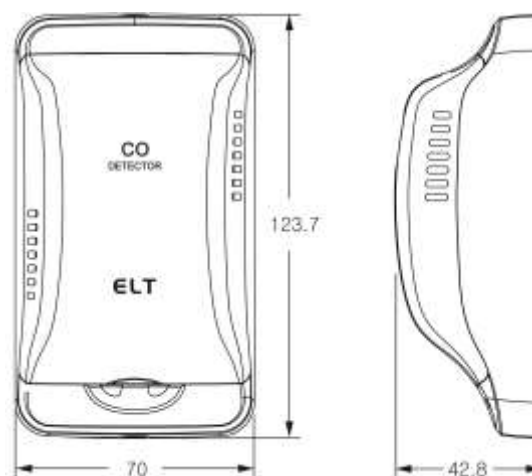
Output Voltage

2 ~ 10VDC

Output Current

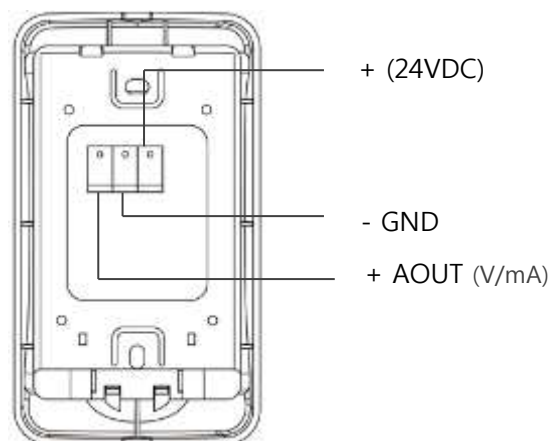
4 ~ 20mA

Dimensions (unit : mm)

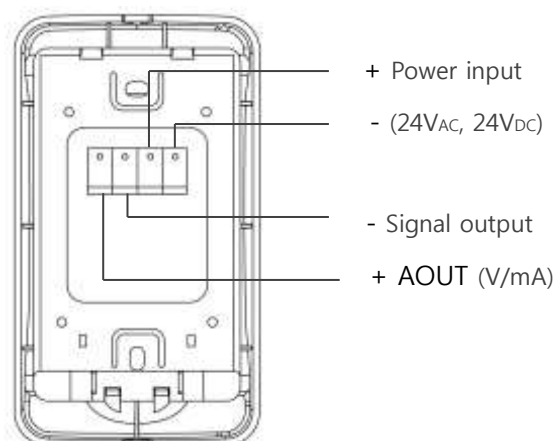


Wiring Method

3-Wire (AOUT, GND, +24DCV)

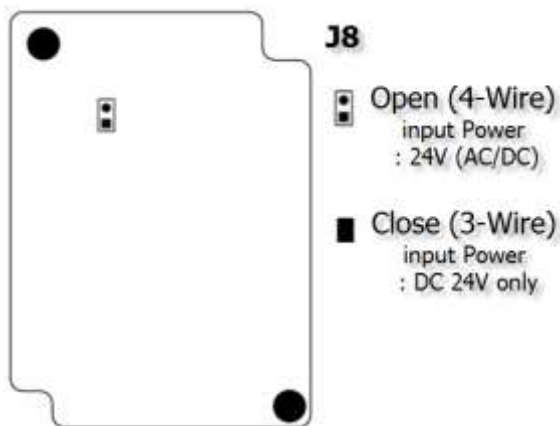


4-Wire (AOUT, GND, 24V(+/-)_AC/DC)



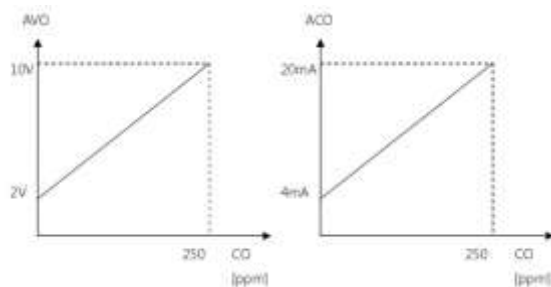
Wiring Method (continued)

Wire Selection Jumper : J8



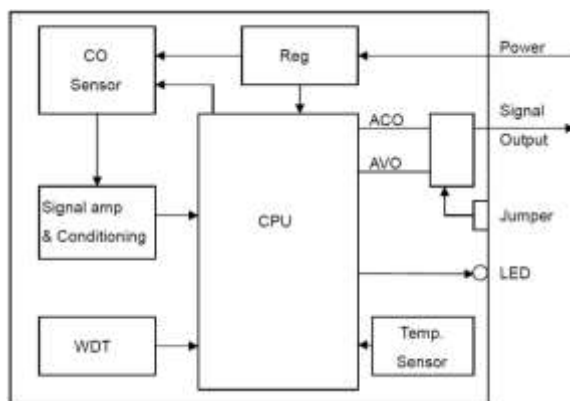
Analog V/mA Output

Analog Voltage(V) or Current(I) Output



Block Diagram

V/mA output Block Diagram



Input Power Selection Guide

Default Power Input : DC24V or AC/DC 24V

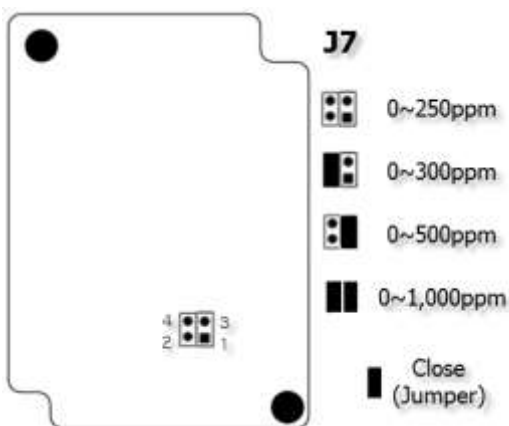
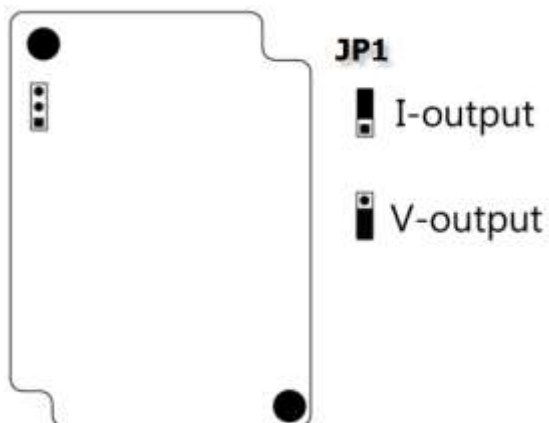
Input Voltage	Wiring	Connectors	Selection Jumper (SW1)
DC24V	3-Wire	J1 (3-pin) (Rear Side)	[2-3]
AC/DC 24V	4-Wire	J1 (4-pin) (Rear Side)	[2-3]

CO Range Selection

Jumper Selection : J7

V/mA output Selection Method

Jumper Selection : JP1



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