CV250

Dry/wet type temperature/humidity converter

- DIN rail and volt fixing installation type
- DC signal only
- Relative humidity operation by the dry temperature and wet temperature
- Simple system composition
- 2 wires type so simple transmission line
- Simple signal distribution (Low output resistance)
- Linear type signal

Suffix code

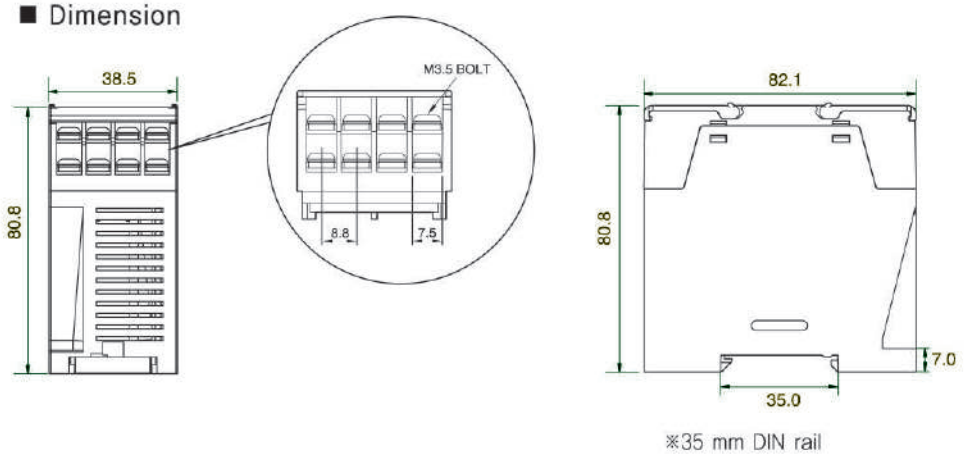
Model	Code	Description
CV250 -	□	Temperature/Humidity converter
Output signal	C	4 - 20 ㎃ DC
	V	1 - 5 V DC

Specification

Power Supply Voltage	100 - 240 V AC, 50/60 Hz
Power consumption	Approx. 3 VA
Input signal	Resistance Temperature Detector(RTD) : Pt100 Ω (IEC751), dry/wet each 1 example ※Dry/Wet transmitter (Company model HY-PT230)
Measurement range	Temperature : 0 ~ 100 ℃, Humidity : 0 ~ 100 % RH
Accuracy	Temperature : ±0.5 %, Humidity : ±1 %
Output signal	Temperature/humidity yields 1 output individually (current by the suffix code/voltage output selectable) 4 - 20 ㎃ DC (resistive load max 600 Ω), 1 - 5 V DC (resistive load min 1 KΩ)
Output compensation	±5 % (Off-set compensation by the variable resistance)
Insulation resistance	Min 20 MΩ (500 V DC)
Dielectric strength	2500 V AC (power terminal-signal input/output terminal)
Ambient temperature	0 ~ 50 ℃
Ambient humidity	35 ~ 85 % RH (without dew condensation)
Storage temperature	-25 ~ 65 ℃
Vibration resistance	10 - 55 Hz, peak amplitude 0.76 ㎜, for 1 min each in 3 axis direction
Shock resistance	300 ㎨, 6 directions each 3 times
Weight	Approx. 300 g

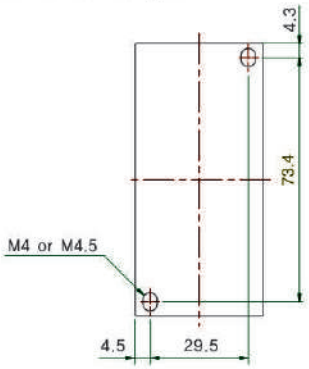
Dimension & Panel cutput (unit: mm)

■ Dimension



※35 mm DIN rail

■ Panel cutput



Connection diagram