

# CURRENT LOOP SUPPLY

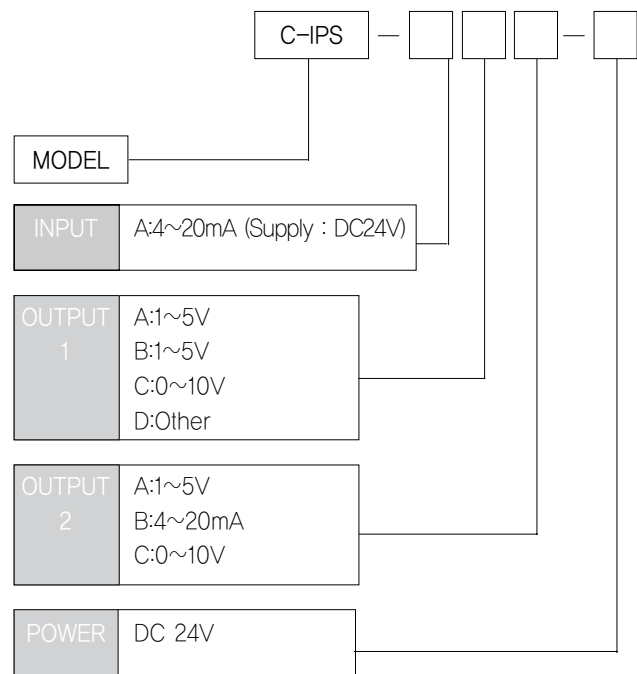
C-IPS



A Converter is used to supplies power to 2-wire current loop system transmitter and receives DC signal and provides isolated DC signal.

- Various 2-wire transmitter.
- Isolator application(4~20mA)
- 1 or 2 outputs are available from 1 input.
- Contains overvoltage protection circuit.
- Transformer isolation type.

## MODEL & SUFFIX CODE SELECTION



## GENERAL SPECIFICATIONS

Isolation	Input to output to power/Transformer isolation
Power Supply	24VDC $\pm 10\%$ , (ripple 10% max)80mA
Accuracy	$\pm 0.1\%$ (Max)
Temp Coefficient	$\pm 0.015\%$ / $^{\circ}\text{C}$ ( $\pm 0.008\%$ / $^{\circ}\text{F}$ )
Linearity	$\pm 0.02\%$ F.S
Insulation Resistance	Greater than 100M $\Omega$ with DC 500V
Front Adjustments	Zero and Span $\pm 5\%$
Overrange Output	approx. -10% ~ 110% at DC 1~5V
Response Time	$\leq 0.5$ sec (0~90%)
Operating Temperature/Humidity	-20~60 $^{\circ}\text{C}$ / 90%(N.C)
Storage Temperature/Humidity	-20~80 $^{\circ}\text{C}$ / 95%(N.C)
Dimensions	W18xH50xD77.5(mm)
Case Material	ABS Resin (black)
Weight	75g
Mounting	Screw type

### INPUT & OUTPUT SPECIFICATIONS

#### Input Impedance

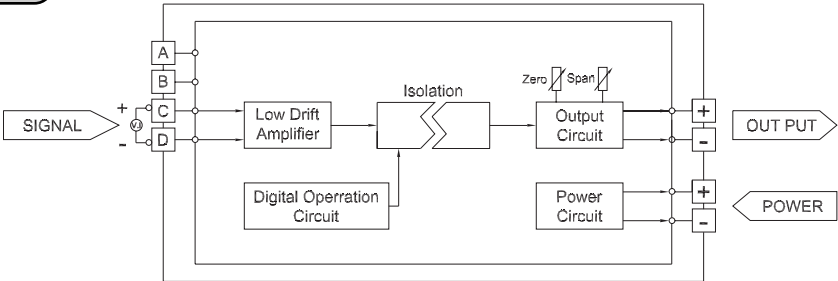
Specification	Report
Supply range	24~28V(with no load)
Current range	22mA(Max)
Current limited	30mA(Max)
Input impedance	250Ω
0 ~1V	1MΩ (Min)
0 ~10V	1MΩ (Min)

#### Output Load Resistance

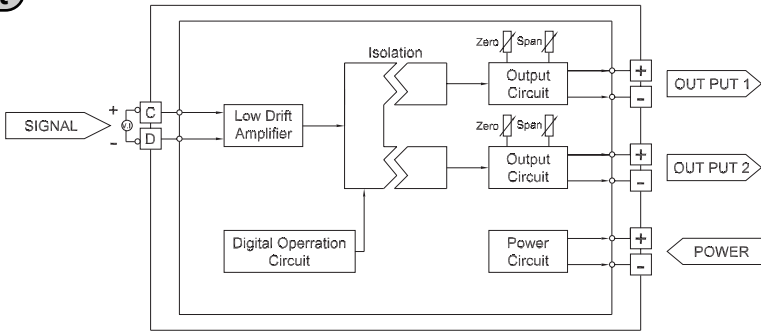
Output	1 Point	2 Point		Remark
	Output	Output-1	Output-2	
4 ~ 20mA	700Ω	600Ω	350Ω	(Max)
0 ~ 20mA	700Ω	600Ω	350Ω	(Max)
2 ~ 10mA	1200Ω	1200Ω	700Ω	(Max)
1 ~ 5V	5000Ω	5000Ω	5000Ω	(Min)
0 ~1V	1000Ω	1000Ω	1000Ω	(Min)

### BLOCK DIAGRAM

#### 1 Point Output



#### 2 Point Output



### Dimensions (unit: mm)

