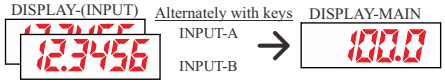
♦ FUNCTION & FEATURES

* UNIVERSAL TWO INPUTS (INPUT 1, INPUT 2)
  (Voltage, Current, Loop Powered, Temperature(RTD,T/C,NTC), Resistance and Potentiometer, Strain Gauge inputs ....)
* 4, 6-DIGIT 0.56" LED-DISPLAY
* VARIABLE INTENSITY DISPLAY(0 ~ 15)
* FUNCTIONS
  (Peak-Hold,Counter,Integrator,Square-root, Adder, Substracter, Multiplier, Divider,.....)
* PROGRAMMABLE FUNCTION KEY/USER INPUTS
* BOTH INPUT TYPE, OUTPUT, AND RANGE ARE CONFIGURABLE
* **ANALOG-OUTPUT(ISOLATED) *Manual Output**
  (±10V, ±5V, ±1V, 0~10V, 0~1V, 0~5V, 4~20mA, 0~20mA)
  10-POINTS SCALING FOR NON-LINEAR OUTPUT
* INPUT and OUTPUT PROTECTION : SURGE SUPPRESSOR DIODES
* ALARM OUTPUTS(UP TO 7 SETPOINT OR WINDOW) *option
  ALARM OUTPU ON/OFF DELAY TIME(0~999 SEC.)
* COMMUNICATION RS-485 OR RS-232 *option
* POWER FUSE (240V/0.12A)
* Display main(ex: %) from Input value(IN-A, IN-B)





♦ PERFORMANCE

- Accuracy(including linearity) : Factory: <±0.1% LESS(F.S) max.
- Temperature Coefficient : <±0.005% / ℃ (50 ppm / ℃)
- Response time : < 0.3 Sec. (0~90%, DC input) Filter(0)
- Display range : 6 Digits (-199999 ~ 999999) / 4 Digits (-1999 ~ 9999)

♦ GENERAL SPECIFICATIONS

- Power supply : AC 85 ~ 265V or DC 18 ~ 32V (about 3VA)
- Operating temperature : -20 ~ 60℃ (-4 ~ 140℉)
- Operating humidity : 10 ~ 90 % RH (non-condensing)
- Input/Output Protection : Surge suppressor diodes
- Isolation : Input / Output 1 / Power
- Insulation resistance : 100 MΩ whit 500VDC
- Dielectric strength : AC 2000V / Min.

♦ INSTALLATION

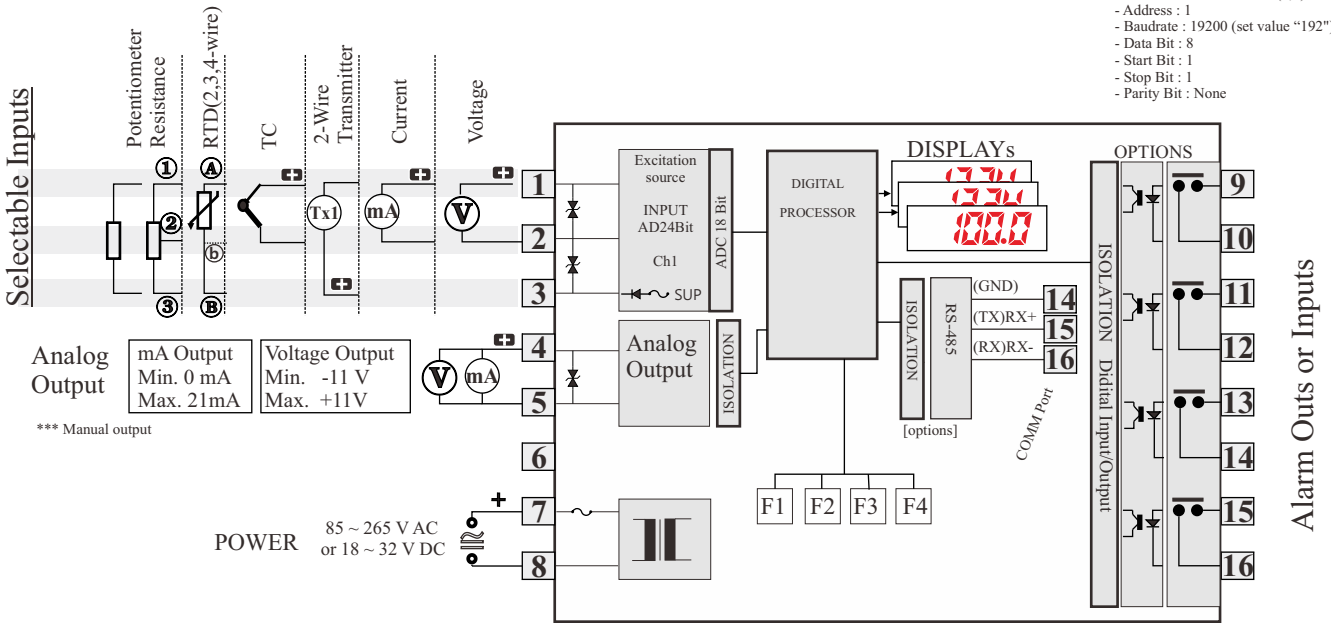
- Construction : Panel flush mounting
- Connection : M3.5 Screw terminals
- Housing material : flame-retardant Poly Carbonate (white)
- Dimension : W96 x H48 x D118mm (3.78" x 1.89" x 4.65")
- Dimension of mounting hole(cutting) : W92 x H44mm (3.62"x1.73")
- Weight : about 300g

**OPTION

	RS-485	RS-232	ANALOGE
14		GND	
15	TRX+	TXD	AO+
16	TRX-	RXD	AO-

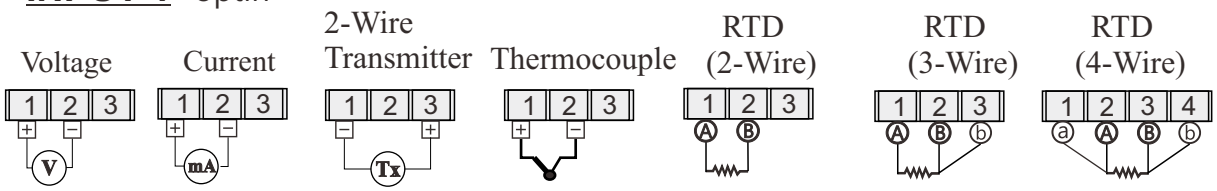
** Default set - Serial Port (1,2) **
- Address : 1
- Baudrate : 19200 (set value "192")
- Data Bit : 8
- Start Bit : 1
- Stop Bit : 1
- Parity Bit : None

SCHEMATIC CIRCUIT & CONNECTION DIAGRAM

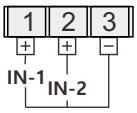


INPUT CONNECTION DIAGRAM

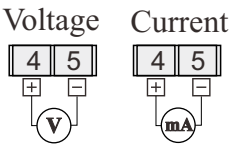
INPUT 1 *optin



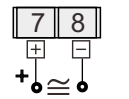
INPUT 2 *optin Voltage or Current



OUTPUT 1 (Manual output)



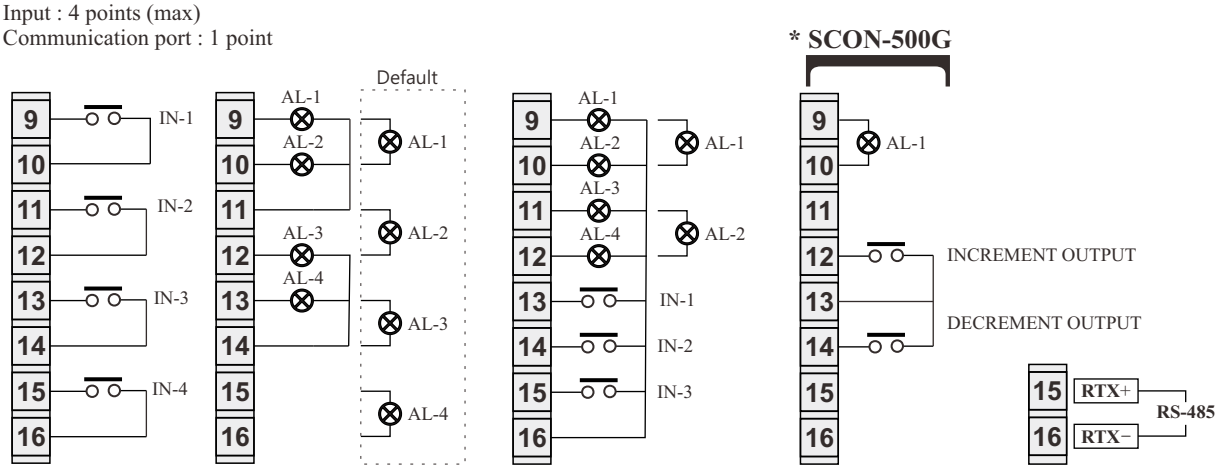
POWER



85 ~ 265 V AC
or 18 ~ 32 V DC

[OPTION]

* Alarm outputs : 4 points (max.) Relay or Photo-coupler
* Input : 4 points (max)
* Communication port : 1 point



MODEL & SUFFIX CODE

S-CON500G-□□□□□□

Input Type Selection (Available for Input A & Input B)

0 : None
1 : Current : (Usable range) ±20mA(max.)
2 : Voltage : (Usable range) ±10V(max.)
3 : Millivolt : (Usable range) ±1V(max.)
L0 : (L0) Loop-Powered Current : (Usable range) 4~20mA (1 input)
T : Thermocouples (1 Input)
T1 : TYPE - K(CA)
T2 : TYPE - E(CR)
T3 : TYPE - J(IC)
T4 : TYPE - T(CC)
T5 : TYPE - B(RH)
T6 : TYPE - R
T7 : TYPE - S
T8 : TYPE - N
R : RTD (Input 1)
R1 : RTD 2-Wire : Pt 100/500/1000 Ω -200~850 °C
R2 : RTD 3-Wire : Pt 100/500/1000 Ω -200~850 °C
R3 : RTD 4-Wire : Pt 100/500/1000 Ω -200~850 °C
P : POTENTIOMETER 3-Wire (1 input)
Q : POTENTIOMETER 2-Wire (1 input)
(P or Q) 1 : ~ 100 KΩ (P or Q) 2 : ~ 50 KΩ
(P or Q) 3 : ~ 20 KΩ (P or Q) 4 : ~ 10 KΩ
(P or Q) 5 : ~ 5 KΩ (P or Q) 6 : ~ 2 KΩ
(P or Q) 7 : ~ 1 KΩ (P or Q) 8 : ~ 500 Ω

S : Other Special Spec.

Output Type & Range Selection (Available for Output 1)

0 : Not Used
1 : DC 4~20mA (Load Resistance : 0~600 Ω) 2 : DC 0~20mA (Load Resistance : 0~600 Ω)
3 : DC 1~5V (Load Resistance : 5 KΩ or more) 4 : DC 0~5V (Load Resistance : 5 KΩ or more)
5 : DC 2~10V (Load Resistance : 10 KΩ or more) 6 : DC 0~10V (Load Resistance : 10 KΩ or more)
7 : DC -5~+5V (Load Resistance : 10 KΩ or more) 8 : DC -10~+10V (Load Resistance : 10 KΩ or more)
9 : 2-Wire Transmitter(4~20mA DC) (9V ~ 35V DC)
A : Frequency output(Voltage) B : Frequency output(Open Collect(Drain))
C : Serial Port RS-485 D : Serial Port RS-232
R : Other Special Spec.

DIGITAL I/O (Alarms)

0 : None
1 : 2-Contact outputs 2 : 4-Contact outputs 3 : 3-Contact outputs
A : 1-Input 3-Contact outputs B : 2-Inputs 2-Contacts outputs

R : Other Special Spec.

Power Supply

Z : AC 85~265V
Y : DC 18~32V

R : Other Special Spec.

Ex.) S-CON500G-0010Z0

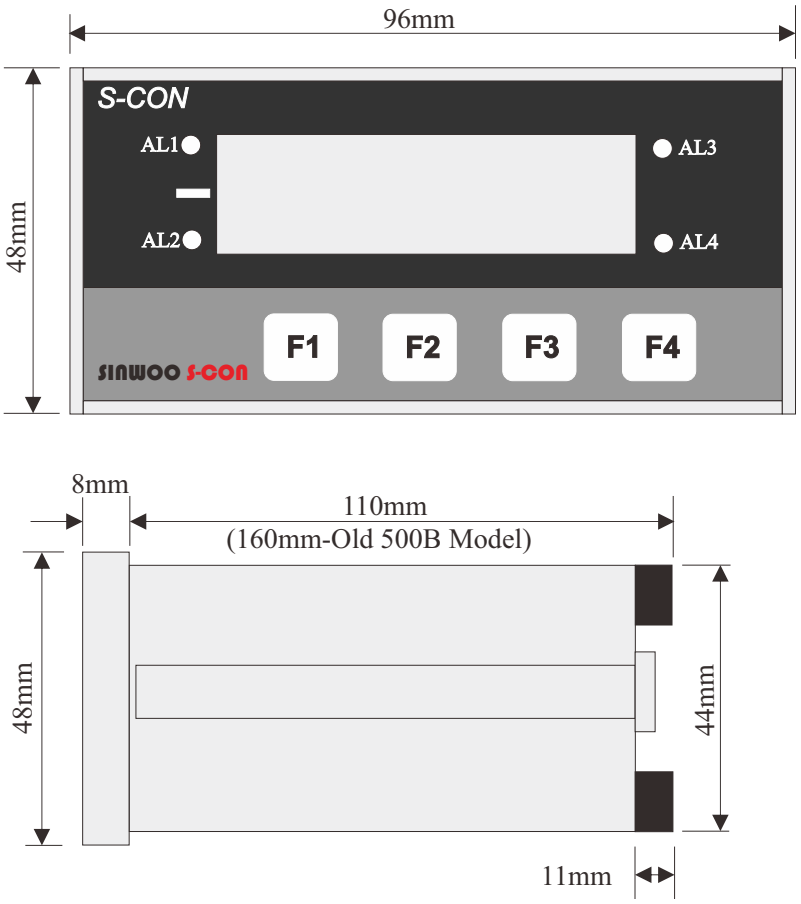
Function

0 : Normal(Input-A) [Input-A to Output-1]
1 : Square root(A)
2 : Square Root Extractor(A)
3 : Adder (A + B)
4 : Subtractor (A - B)
5 : Multiplier (A * B)
6 : Divider (A / B)
7 : Normal(Input-B) [Input-B to Output-1]

A: HSS(High Signal Select) / LSS(Low Signal Select)

R : Specify function

DIMENSIONS



MOUNTING REQUIREMENTS

