

### □ Function & Features

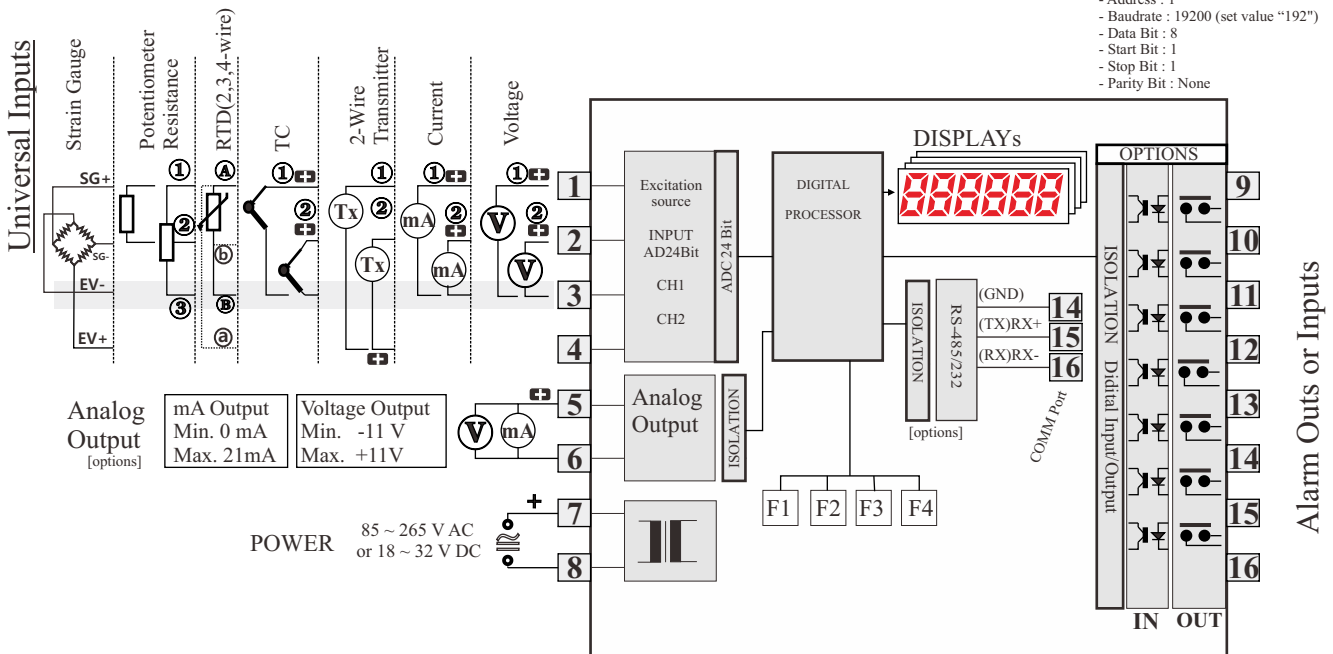
- UNIVERSAL TWO INPUTS (INPUT 1, INPUT 2)  
(V, mV, mA, Loop Powered, RTD, T/C, Resistance and Potentiometer, Strain Gauge....)
- 6-DIGIT 0.56" DISPLAY
- FUNCTIONS  
(Peak-Hold, Counter, Integrator, Square-root, Adder, Subtractor, Multiplier, Divider,.....)
- PROGRAMMABLE FUNCTION KEY/USER INPUTS
- TOTALIZER(INTEGRATOR) WITH BATCHING
- Both input type, output, and range are configurable
- VARIABLE INTENSITY DISPLAY (0 ~ 15)
- ANALOG-OUTPUT(ISOLATED) (mV / V / mA)  
( ± 10V, ± 5V, ± 1V, 0~10V, 0~1V, 0~5V, 4~20mA, 0~20mA)
- POINTS SCALING FOR NON-LINEAR OUTPUT
- TOTALIZER(INTEGRATOR) WITH BATCHING
- OPTIONAL ALARM OUTPUTS (UP TO 7 SETPOINT, WINDOW)  
ALARM OUTPUT ON/OFF DELAY TIME (0~999 SEC)
- OPTIONAL COMMUNICATION RS-485 OR RS-232



### □ GENERAL SPECIFICATIONS

- Construction : Panel flush mounting
- Connection : M3.5 Screw terminals
- Housing material : flame-retardant Poly Carbonate (white)
- Power supply : AC 85 ~ 265V or DC 18 ~ 32V ( about 3VA)
- Operating temperature : -5 ~ 55 °C (23 ~ 131 °F)
- Operating humidity : 10 ~ 90 % RH (non-condensing)
- Display range : 6 Digits ( -199999 ~ 999999 )
- 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")

### SCHMATIC CIRCUIT & CONNECTION DIAGRAM



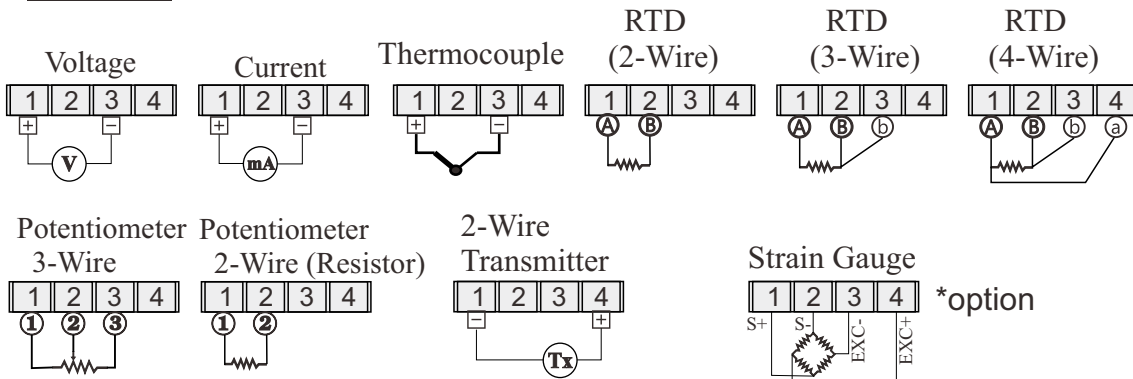
\*\*OPTION

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

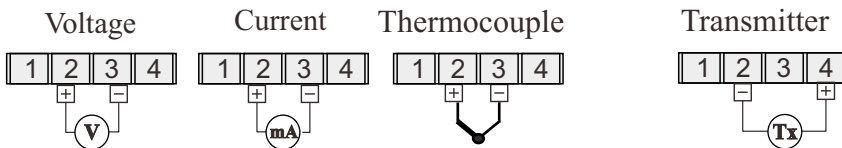
- \*\* Default set - Serial Port (1,2) \*\*
- Address : 1
  - Baudrate : 19200 (set value "192")
  - Data Bit : 8
  - Start Bit : 1
  - Stop Bit : 1
  - Parity Bit : None

## INPUT CONNECTION DIAGRAM

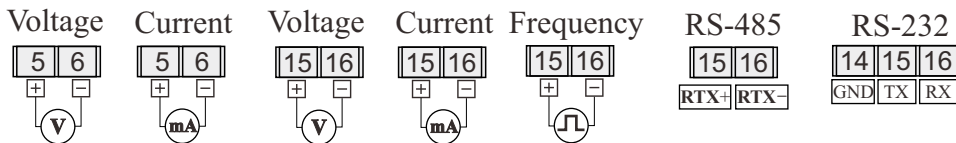
### INPUT 1



### INPUT 2



### OUTPUT 1,2 (option)



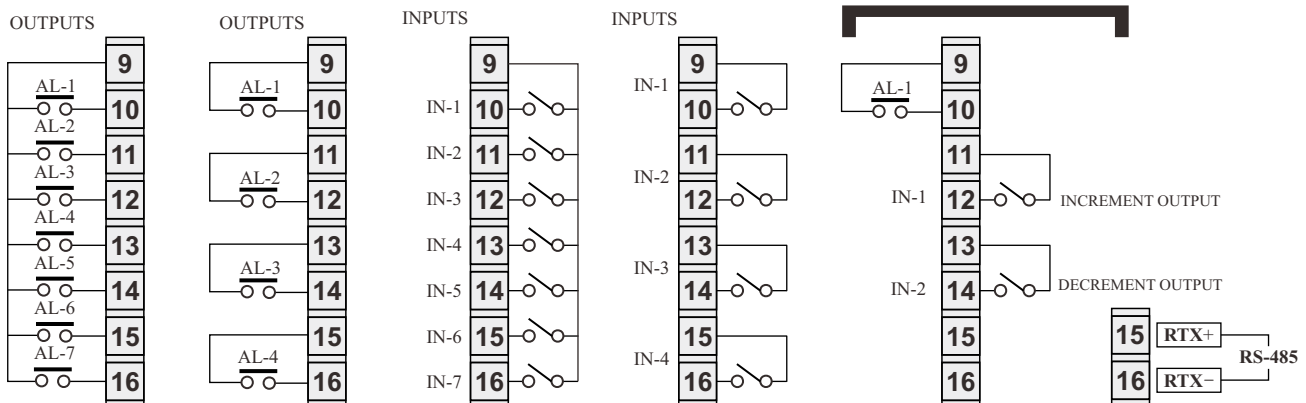
### POWER



85 ~ 265 V AC  
or 18 ~ 32 V DC

### [ OPTION ]

- \* Alarm output : 7 points (max.) Relay or Photo-coupler
- \* Input : 7 points (max)
- \* Communication port : 1 point



## MODEL & SUFFIX CODE

S-CON5500  -

### Universal Input (1 and 2) Selection

- 5500G : None [output generator]
- 5500M : [Analog input and Auto/Manual output]
- 5500X : [Analog input]

#### DC Current & Voltage (Input 1, Input 2)

- Current : (Usable range)  $\pm 20\text{mA}$ (max.)
- Loop-Powered Current : (Usable range) 4~20mA (input 1) \*Optional only (input 2) is available.
- Voltage : (Usable range)  $\pm 10\text{V}$ (max.)
- Millivolt : (Usable range)  $\pm 1\text{V}$ (max.)

#### Thermocouples (Input 1, Input 2)

- K(CA), E(CRC), J(IC), T(CC), B(RH), R, S, N
- RTD (Input 1) - Pt 100  $\Omega$
- Potentiometer (Input 1) - Total resistance 100 $\Omega$  ~ 200K $\Omega$
- Resistance (Input 1) - Total resistance 100 $\Omega$  ~ 200K $\Omega$

### Analog Output Selection

- 0 : None
- 1 : DC 1V, 5V, 10V(Max.)
- 2 : DC  $\pm 1\text{V}$ ,  $\pm 5$ ,  $\pm 10$  (Max.)
- 3 : DC 20mA (Max.) (Load Resistance : 0~600 $\Omega$ )
- 9 : 2-Wire Transmitter(4~20mA DC) (9V ~ 35V DC)
- A : Frequency output( Voltage) B : Frequency output(Open Collect(Drain))
- R : Other Special Spec.

### Relay Contact Output ( 0:None 1 ~ 7 )

- 00 : None
- Ax : Relay Contact (A1~A7)
- Bx : Photo coupler (B1~B7)
- Rx : Other Special Spec.

### Input ( 0 : None 1 ~ 7 )

- 00 : None
- Ax : Voltage (24V) A1 ~ A7
- Bx : Relay Contact or Open Collector (B1~B7)
- Rx : Other Special Spec.

### Communication port

- 0 : None
- 1 : RS-485
- 2 : RS-232

### Power Supply

- Z : AC 85~265V
- Y : DC 18~32V
- R : Other Special Spec.

Ex.) S-CON5500X-3 A2 00 0 Z

## FUNCTIONS

### - Analog Calculations

- [000] Normal input (A)
- [001] Square Root (A)
- [002] Root Extraction (A)
- [007] ADDER(A+B) : Addition of 2 analog inputs
- [008] SUBTRACTOR(A-B) : Subtraction of 2 analog inputs
- [009] MULTIPLIER(A\*B) : Multiplication of 2 analog inputs
- [010] DIVIDER(A/B) : Division of 2 analog inputs

- [101] Normal input (B)
- [102] Square Root (B)
- [103] Root Extraction (B)
- [108] SUBTRACTOR(B-A) : Subtraction of 2 analog inputs
- [109] DIVIDER(B/A) : Division of 2 analog inputs

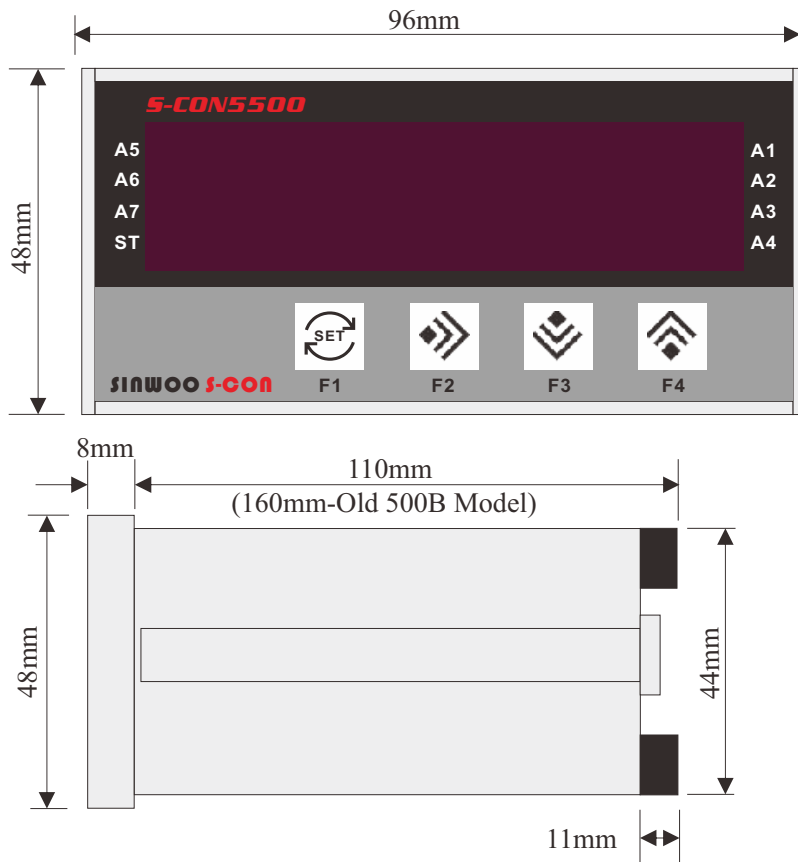
### -Counter

- [003] INTEGRATOR (A) : Count of input range by count rate (Count Per Hour).
- [104] INTEGRATOR (B) : Count of input range by count rate (Count Per Hour).

### -Peak-Hold

- [004] Peak-Hold(Higher)(A)
- [005] Peak-Hold(Lower)(A)
- [006] Peak-Hold(High/Low)(A)
- [105] Peak-Hold(Higher)(B)
- [106] Peak-Hold(Lower)(B)
- [107] Peak-Hold(High/Low)(B)

DIMENSIONS



MOUNTING REQUIREMENTS

