

□ Function & Features

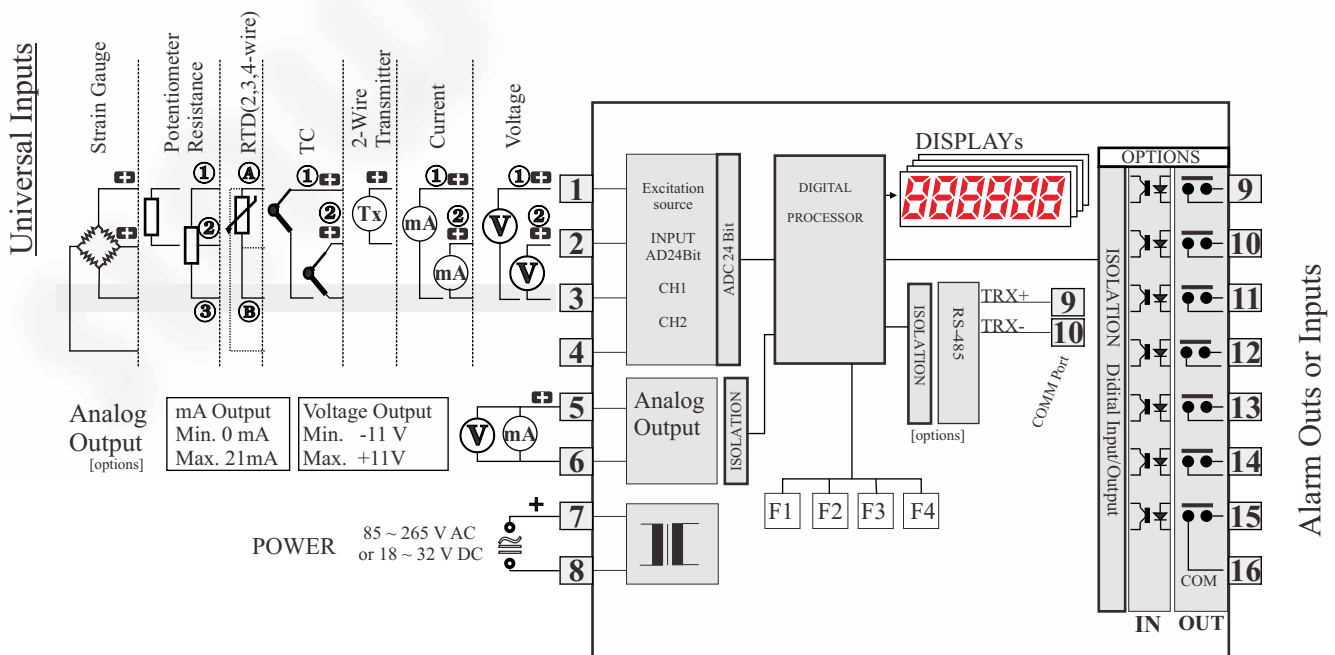
- * **Universal Two Inputs (Input 1, Input 2)**
(V, mV, mA, Loop Powered, RTD, T/C, Resistance and Potentiometer, Strain Gauge....)
- * **Multiple functions**
(Peak-Hold, Counter, Integrator, Square-root, Adder, Subtractor, Multiplier, Divider)
- * **Front-programmable**
- * **Both input type, output, and range are configurable**
- * **6-digit LED display**
- * **Digital Brightness Control (Intensity: 0 ~ 15)**
- * **Analog-Output(Isolated) (mV / V / mA)**
(±10V, ±5V, ±1V, 0~10V, 0~1V, 0~5V, 4~20mA, 0~20mA)
- * **7 Points Contact output or Input (Alarm 1~7 or DI 1~7)**
- * **Communication Interface (RS-485) standard (Isolated)**



□ GENERAL SPECIFICATIONS

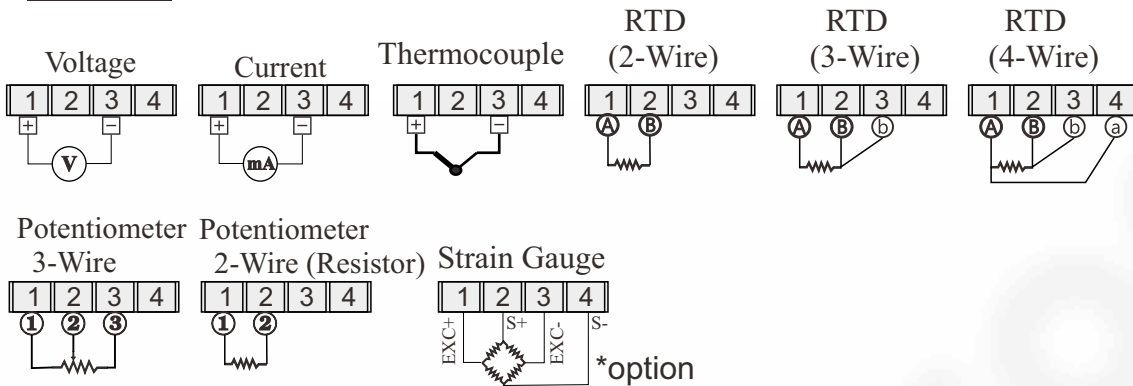
- Construction : Panel flush mounting
- Connection : M3.5 Screw terminals
- Housing material : flame-retardant Poly Carbonate (white)
- Power supply : AC 85 ~ 265V or DC 18 ~ 32V (about 3VA)
- Operating temperature : -5 ~ 55 °C (23 ~ 131 °F)
- Operating humidity : 10 ~ 90 % RH (non-condensing)
- Display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

SCHEMATIC CIRCUIT & CONNECTION DIAGRAM

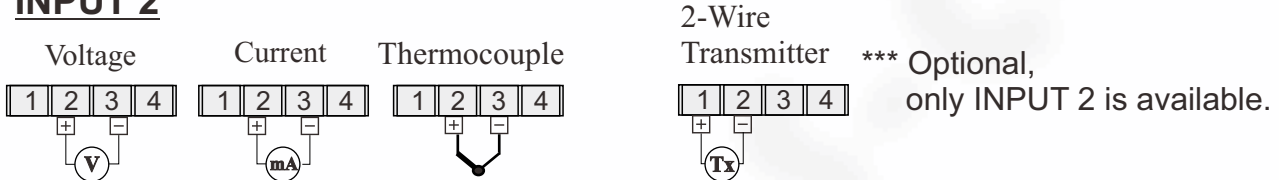


INPUT CONNECTION DIAGRAM

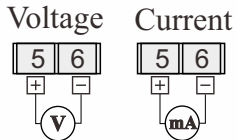
INPUT 1



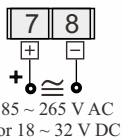
INPUT 2



OUTPUT 1 (option)

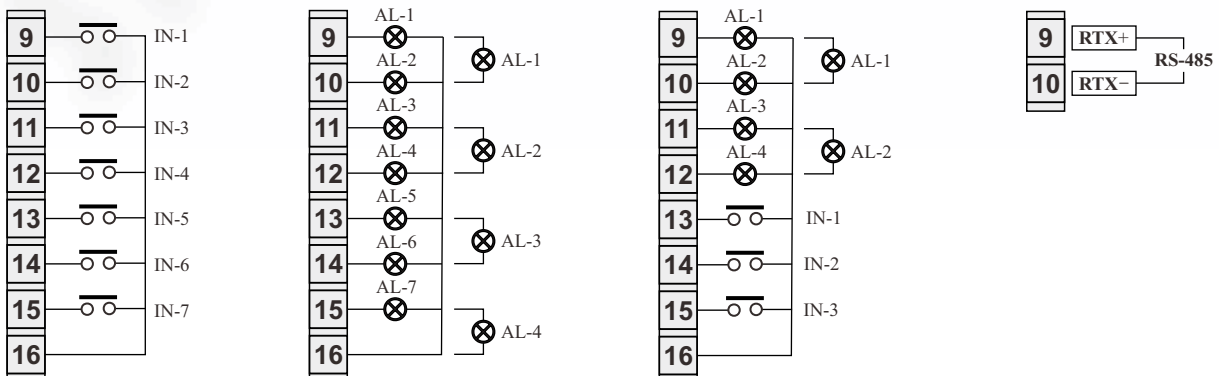


POWER



[OPTION]

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



MODEL & SUFFIX CODE

S-CON5500X -

Universal Input (1 and 2) Selection

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

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

- Thermocouples (Input 1, Input 2)

- K(CA), E(CRC), J(IC), T(CC), B(RH), R, S, N

- RTD (Input 1)

- Pt 100 Ω

- Potentiometer (Input 1)

- Total resistance 100 Ω ~ 200K Ω

- Resistance (Input 1)

- Total resistance 100 Ω ~ 200K Ω

Analog Output Selection

- 0 : None
- 1 : DC 1V, 5V, 10V(Max.)
- 2 : DC $\pm 1\text{V}$, ± 5 , ± 10 (Max.)
- 3 : DC 20mA (Max.) (Load Resistance : 0~600 Ω)
- R : Other Special Spec.
- 4 : 2-Wire Transmitter(4~20mA DC) (9V ~ 35V DC)

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-CON5500-3 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

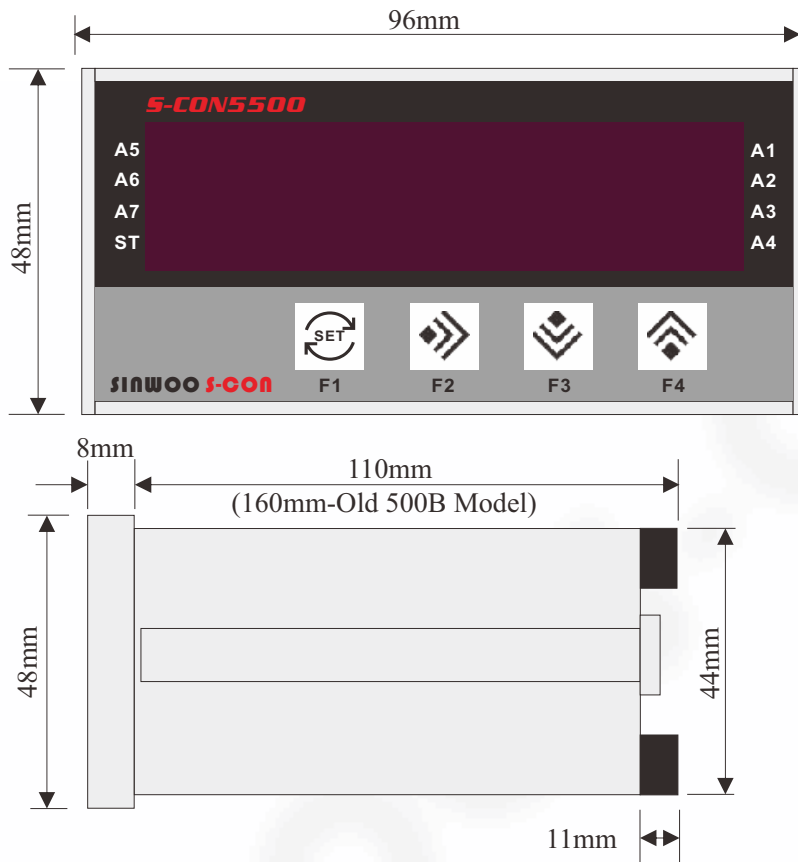
-Counter

- [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

