DC SUBSTRACTOR / ADDER

AT-740-SB SBZ　　AT-740-AD ADZ

Model：

AT-740 - □ □ □ - □ □ - □

SB	Non-isolated Substractor
SBZ	Isolated Substractor
AD	Non-isolated Adder
ADZ	Isolated Adder

	DC Input	I/P Impedance
1	DC 1 - 5 V	1 MΩ
2	DC 0 - 10 V	
3	DC 0 - 5 V	
4	DC 0 - 1 V	
5	DC 0 - 100 mV	
6	DC 0 - 10 mV	
7	DC ± 1 V	
A	DC 4 - 20 mA	50 Ω
B	DC 0 - 20 mA	
C	DC 0 - 16 mA	
D	DC 0 - 10 mA	
E	DC 2 - 10 mA	
F	DC 0 - 1 mA	100 Ω
S	Specified	

	DC Output	Load Impedance
1	DC 1 - 5 V	> 2.5 KΩ
2	DC 0 - 10 V	> 5 KΩ
3	DC 0 - 5 V	> 2.5 KΩ
4	DC 0 - 1 V	> 500 Ω
5	DC 0 - 100 mV	> 100 KΩ
6	DC 0 - 10 mV	> 10 KΩ
7	DC ± 10 V	> 5 KΩ
A	DC 4 - 20 mA	0 - 500 Ω
B	DC 0 - 20 mA	0 - 500 Ω
C	DC 0 - 16 mA	0 - 625 Ω
D	DC 0 - 10 mA	0 - 1KΩ
E	DC 2 - 10 mA	0 - 1KΩ
F	DC 0 - 1 mA	0 - 10KΩ
W	2-Wire DC 4-20 mA	
S	Specified	

Power Supply

1	AC 110V ± 10% 50 / 60 Hz
2	AC 220V ± 10% 50 / 60 Hz
3	DC 24V ± 10%
4	AC 24V ± 10% 50 / 60 Hz
S	Specified

Calculation Formula：

SBZ : $X_O = K_1A - K_2B$

ADZ : $X_O = K_1A + K_2B$

X_O : Output　　K_1 , K_2 : Constant Factor

A : Input A　　B : Input B

W 50 × H 84 × D 120 mm

Features：

- Versatility of Input and Output Ranges
- Plug-in Socket Structure and DIN Rail Mounting
- High Reliability, Lasting Durability , Small Sized and Low Cost

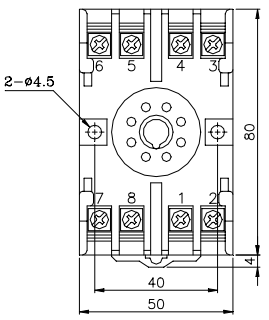
Applications：

- Temp. Different or Sum of Flow
- Fully Isolated between Input and Output

Specifications：

- Accuracy : ±0.1% FS. (at 23℃)
- Linearity : ±0.1% FS.
- Response Time : 0.2 sec (0 - 90%)
- Temp. Coefficient : ±0.015% FS / ℃
- Operating Temp. : -5 ~ +55 ℃
- Operating Humidity : 0 - 90% RH
- Insulation Resistance :
  ≧ 100 MΩ with 500 VDC
  Non-iso. Type (Input , Output / Power)
  Iso. Type (Input / Output / Power)
- Dielectric Strength : AC 1500 V ， 1 min.
  Non-iso. Type (Input , Output / Power)
  Iso. Type (Input / Output / Power)
- Case Material : Case is ABS , Base is Bakelite
- Zero and Span Adjustments : ±20 % FS.
- Power Consumption : 4 VA

Socket and Terminal：



1	+	OUT	DC Output
2	−		
3	+	IN # 1	DC Input A
4	−		
5	+	IN # 2	DC Input B
6	−		
7	U(+)	PWR	Power
8	V(−)		