ADDING TRANSDUCER

ADDING TRANSDUCER
INPUT/OUTPUT NON-INSULATION TYPE   ADTT-83A
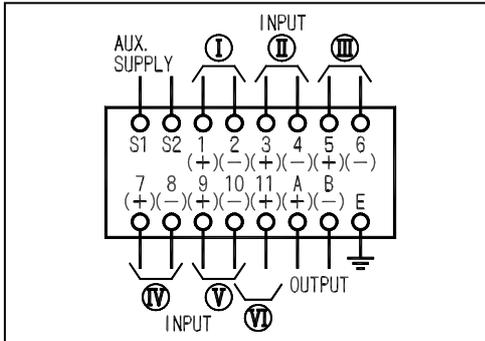INPUT/OUTPUT INSULATION TYPE   ADTT2-83A

ADTT-83A
(120× 110× 130mm/800g)

Use

Convert multiple (Max.6 circuits) DC signal to necessary DC signal by adding according to certain ratio.

Connection diagram

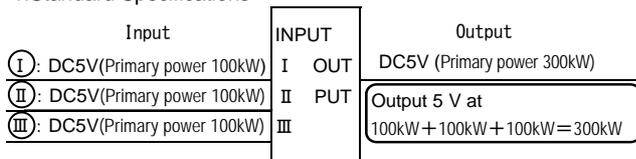In the case of DC auxiliary supply, connect with S1 as ( ), S2 as ( ).

Specifications

Input (input resistance)	Output (load resistance)	Auxiliary supply	Common specifications
1 : 0-1V (Approx. 50kΩ)	1 : 0-1V (200)	1 : AC100V±15%, 50/60Hz	ADTT-83A
2 : 0-5V (Approx. 50kΩ)	2 : 0-5V (1k)	2 : AC110V±15%, 50/60Hz	Tolerance: ±0.5%
3 : 0-10V (Approx. 50kΩ)	3 : 0-10V (2k)	3 : AC200V±15%, 50/60Hz	Response time: 0.1sec. (±1%)
4 : 1-5V (Approx. 50kΩ)	4 : 1-5V (1k)	4 : AC220V±15%, 50/60Hz	Consumption VA: AC power source 3VA
5 : 0-1mA (Approx. 100Ω)	5 : 0-1mA (10k)	5 : DC24V±15%	DC power source 4W
6 : 0-5mA (Approx. 100Ω)	6 : 0-5mA (2k)	6 : DC48V±15%	Weight: 0.8kg
7 : 0-10mA (Approx. 100Ω)	7 : 0-10mA (1k)	7 : DC110V (88-143V)	ADTT2-83A
8 : 0-16mA (Approx. 100Ω)	8 : 0-16mA (600)	0 : other than those above	Tolerance: ±0.5%
9 : 4-20mA (Approx. 100Ω)	9 : 4-20mA (500)		Response time: 0.5sec. (±1%)
0 : other than those above	0 : other than those above		Consumption VA: AC power source 4VA
			DC power source 5W
			Weight: 1kg

Current output is open: No problem when current output terminal is constantly open. Approx. 15V voltage is generated on output terminal.

Even though 4-20mA input becomes 0mA by input circuit shut-down, signal is treated as equivalent to 4mA input.(standard)
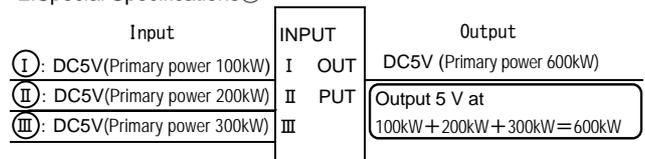
■How to order (Examples for adding the 3 outputs of power transducer)
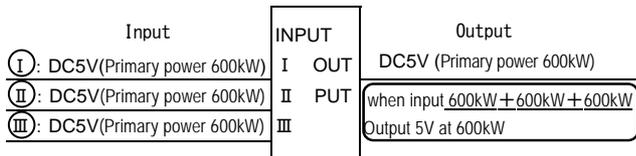
1.Standard Specifications

Input	INPUT	Output
Ⅰ : DC5V(Primary power 100kW)	I OUT	DC5V (Primary power 300kW)
Ⅱ : DC5V(Primary power 100kW)	II PUT	Output 5 V at
Ⅲ : DC5V(Primary power 100kW)	III	100kW＋100kW＋100kW＝300kW

Please specify the addition ration as 1:1:1=3

2.Special Specifications①

Input	INPUT	Output
Ⅰ : DC5V(Primary power 100kW)	I OUT	DC5V (Primary power 600kW)
Ⅱ : DC5V(Primary power 200kW)	II PUT	Output 5 V at
Ⅲ : DC5V(Primary power 300kW)	III	100kW＋200kW＋300kW＝600kW

Please specify the addition ration as 1:2:3=6

3.Special Specifications②

Input	INPUT	Output
Ⅰ : DC5V(Primary power 600kW)	I OUT	DC5V (Primary power 600kW)
Ⅱ : DC5V(Primary power 600kW)	II PUT	when input 600kW＋600kW＋600kW
Ⅲ : DC5V(Primary power 600kW)	III	Output 5V at 600kW

Please specify the addition ration as 1:1:1=1

4.Special Specifications③ (in case of subtracting the 3rd input)

Input	INPUT	Output
Ⅰ : DC5V(Primary power 500kW)	I OUT	DC5V (Primary power 500kW)
Ⅱ : DC5V(Primary power 500kW)	II PUT	when input 500kW＋500kW－500kW
Ⅲ : DC5V(Primary power 500kW)	III	output 5V at 500kW
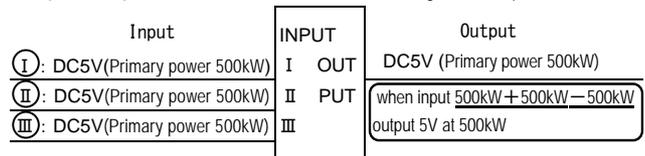
Please specify the addition ration as 1:1:-1=1

Specify please the adding ratio by the value of the primary power, or specify simplified as the above escribed examples.
In case of subtracting, put "-" before addition ration to subtract.
(Please refer to 4. Special Specifications ③)

Purchase specifications

Type	specification code	adding ratio
ADTT - 83A – [3]	[2] [9] [1]	[1] : [1] : : [1] = [6]

No. of input (MAX.6 circuits)

Input   Output   Auxiliary supply

MAX.6