

【Simple manipulator】

> Product outline

Simple manipulator may do not outer connect signal or connect one-way measure signal namely can direct control operation signal output by keystroke operate, apply to differential kinds of a variety of valve manual locating control, display screen indicates measured value or output percentage, which can be self-set by customer.

> Main technical parameter function characteristic

- ※ Operation signal outputs analog quantity positive or negative action, which can be set.
- ※ Operation signal output direct-reversing switch quantity, its high/low limiting can be set.
- ※ There are all characteristic of on-off control meter with universal division number input.
- ※ Can carry RS 485/RS 232 isolation communication interface.

➤ Outline and open dimension



Outline dimension: 96×48×115mm

Open hole dimension: $92^{+0.7}_{-0} \times 45^{+0.7}_{-0}$ mm



Outline dimension: 48×96×115mm

Open hole dimension: $45^{+0.7}_{-0} \times 92^{+0.7}_{-0}$ mm



Outline dimension: 72×72×115mm

Open hole dimension: $68^{+0.7}_{-0} \times 68^{+0.7}_{-0}$ mm



Outline dimension: 160×80×115mm

Open hole dimension: $152^{+0.7}_{-0} \times 76^{+0.7}_{-0}$ mm



Outline dimension: 80×160×115mm

Open hole dimension: $76^{+0.7}_{-0} \times 152^{+0.7}_{-0}$ mm



Outline dimension: 96×96×115mm

Open hole dimension: $92^{+0.7}_{-0} \times 92^{+0.7}_{-0}$ mm



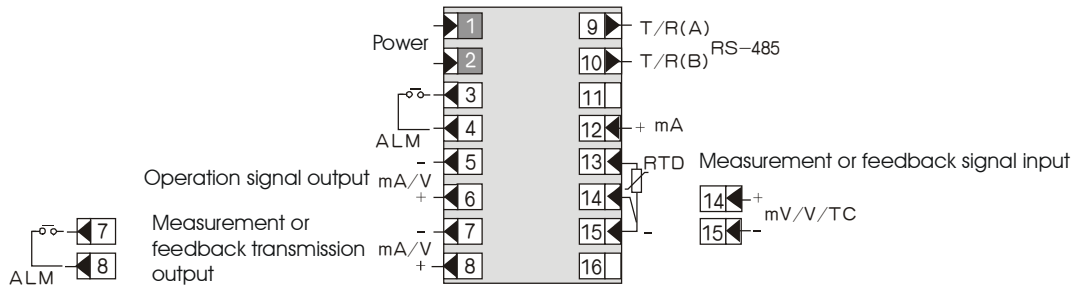
Outline dimension: 48×48×115mm

Open hole dimension: $45^{+0.7}_{-0} \times 45^{+0.7}_{-0}$ mm

> Wiring diagram for Simple manipulator instrument

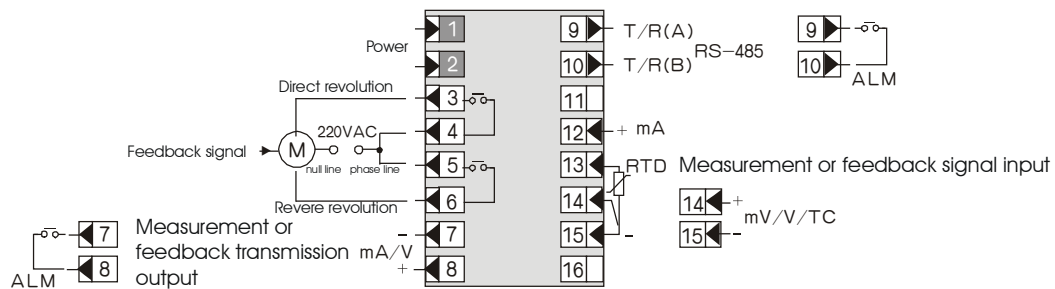
Manipulator wiring diagram 1 for operation signal output is analog quantity

(48×96×115) mm、(96×48×115) mm
 (80×160×115) mm、(160×80×115) mm
 (96×96×115) mm



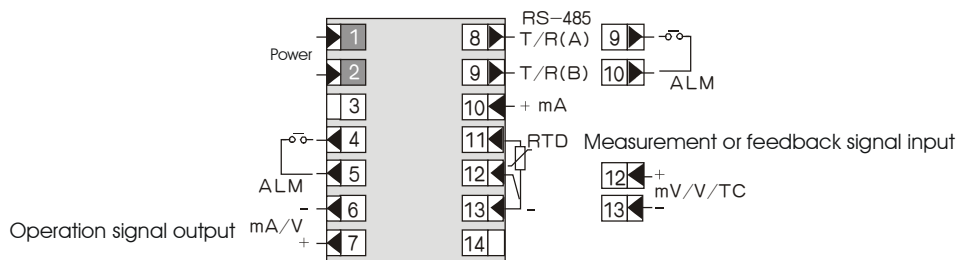
Manipulator wiring diagram 2 for operation signal output is switch quantity

(48×96×115) mm、(48×96×115) mm
 (80×160×115) mm、(160×80×115) mm
 (96×96×115) mm



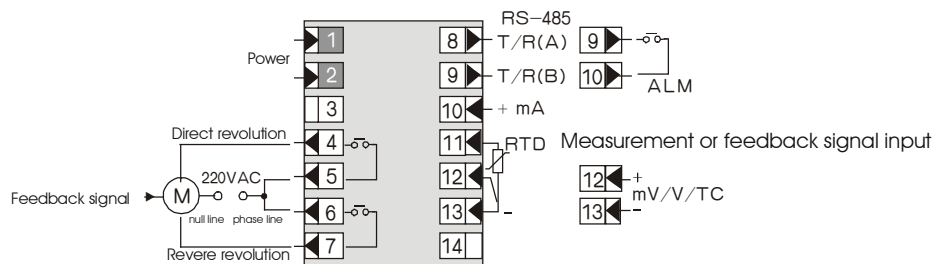
Manipulator wiring diagram 3 for operation signal output is analog quantity

(72×72×115) mm

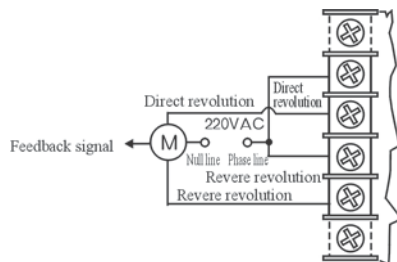


Manipulator wiring diagram 4 for operation signal output is switch quantity

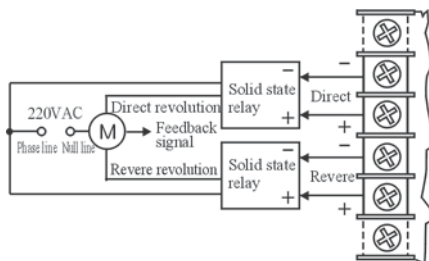
(72×72×115) mm



Wiring diagram 5 for direct-reversing control signal is bi-directional thyristor output



Wiring diagram 6 for direct-reversing control signal is SSR solid-state relay



> Type spectrum table for simple manipulator

Model										Explanation		
WP-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Display feature	C										Horizontal type single screen numeric display	The screen displays measured value or output percentage
	S										Vertical type single screen numeric display	
	D										Horizontal type double screen numeric display	Up screen approves display measured value Low screen approves display measured value
	DS										Vertical type double screen numeric display	
	T										Vertical type single screen single light column display	The screen approves display measured value
	TX										Horizontal type single screen single light column display	Light column approves display output percentage
Outline dimension	4										96×48 mm, 48×96 mm	
	7										72×72 mm	
	8										160×80 mm, 80×160 mm	
	9										96×96 mm	
Control action			45								Simple manipulator	
Communication model				0							No communication interface	
				2							RS-232C communication interface	
				8							RS-485 communication interface	
Operation signal output type				1							Relay direct-reversing revolution control output (D type)	
				2							(4~20) mA output	
				3							(0~10) mA output (Q type)	
				4							(1~5) V output (Q type)	
				5							(0~5) V output (Q type)	
				6							SCR direct-reversing zero-crossing control output	
				7							SSR direct-reversing control signal output	
Transmission output				0							No transmission output	
				2							(4~20) mA output	
				3							(0~10) mA output	
				4							(1~5) V output	
				5							(0~5) V output	
Input type							<input type="checkbox"/>				See "input type table" (manipulator without input signal have only single screen display output percentage, code is 24)	
First alarm model									N		No alarm	
									H		High limit alarm	
									L		Low limit alarm	
Second alarm model									N		No alarm (can be omitted)	
									H		High limit alarm	
									L		Low limit alarm	
Supply mode											AC 220V linear power source (can be omitted)	
									T		AC (90~265) V switch power supply	
									W		DC24V supply	

Option as an example: WP-TX845-822-12-N-T