

【8 K series intelligent digital/light column display controller】

> Product outline

8 K series intelligent digital/light column display controller, This series products adopt surface package modularization craft, output loops all adopt photoelectric isolation, independently supply, have improved anti-reference ability.

Adopt up-to-day non-jumper technique makes the input port to gain universal signal input function, users can realize light switching between multi input signal (various thermocouple, thermo-resistance, remote pressure, mV, standard voltage / current signal) only need by change internal parameters, so has improved the universality and reliability of instrument.

➤ Outline dimension and open hole 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

> Type spectrum table of 8K series intelligent digital/light column display controller

Model									Explanation
WP-8K	-□	□	-T□□	E□	□	□	□□	-□	
Outline dimension	1								160×80 mm (horizontal type)
	2								80×160 mm (vertical type)
	4								48×48 mm (square type) (note 1)
	5								96×48 mm (horizontal type)
	6								48×96 mm (vertical type)
	7								72×72 mm (square type) (note 2)
	9								96×96 mm (square type)
Display feature	1								Single –screen display
	2								Double-screen display (down screen display input type/alarm set value)
	3								Single-screen single light column (only 1, 2, 9 has outline dimension code)
Input type			□□						See “input type table”
Communication mode				0					No communication interface
				2					RS-232C communication interface
				8					RS-485 communication interface
Control/alarm output				0					Display (no control /alarm output)
				1					One relay + SSR (AL2) DC 9V
				2					Two relays
				4					Four relays
				5					One relay + SCR (AL2), may trigger 600V/100A SCR
				6					One relay + SCR (AL2) load 5A
Transmission output				9					Special control output
				0					No transmitting output
				2					(4~20)mA transmitting output, load ≤750Ω
				3					(0~10) mA transmitting output, load ≤1.5KΩ
				4					(1~5) V transmitting output, load ≥250 KΩ
				5					(0~5)V transmitting output, load ≥250 KΩ
				6					two-loop (4~20)mA transmitting output (note 3)
				7					two-loop (1~5) V transmitting output (note 3)
Feed output				8					one-loop (4~20)mA, one-loop (1~5) V transmitting output (note 3)
				9					two-loop special transmitting output (note 3)
Supply mode									No feed output (may omit)
				P					DC 24V with one feed output, load ≤30mA
				2P					DC 24V with two feed output, each channel load ≤30 mA
Supply mode									AC 220 linear power (may omit)
				T					AC (90~265)V switch power supply
				W					DC 24V supply power

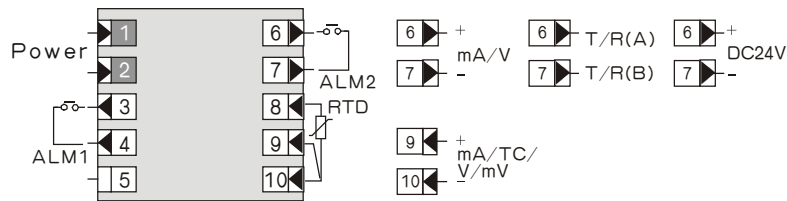
- ★ Note 1: For outline dimension 48×48 instrument, only can select alarm 1 + alarm 2 / transmitting / 485 communication / feed function, can not more than 2; for example: selects up limit alarm + down limit alarm, alarm + communication, alarm + transmitting etc.; transmitting and feed cannot be selected at the same time; no double screen display; no (22~26) V AC-DC power supply.
- ★ Note 2: For outline dimension 72×72 instrument, select alarm +transmitting + 485 communication + feed function, cannot more than 3; Transmitting and feed cannot be selected at the same time.
- ★ Note 3: Two channel transmitting output, only can has one alarm output, no feed output; no (22~26) V AC-DC power supply.

Type example: a project need functions of control temperature instrument are: single screen display communication mode with up-level machine is RS-485, transmit field temperature to standard DC (4~20) mA signal output, with 2 relays control output sensor is K thermocouple, outline dimension is 96×96.

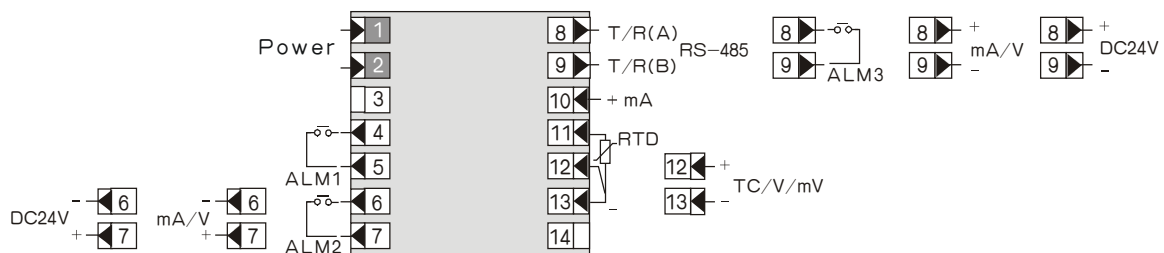
Selected type: WP-8K-91-T03E8220-T

➤ **Wiring diagram**

>> **Instrument wiring diagram of 48×48**

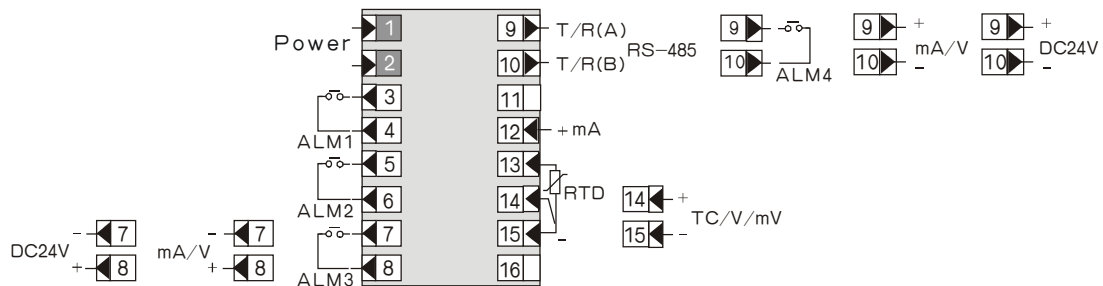


>> **Instrument wiring diagram of 72×72**



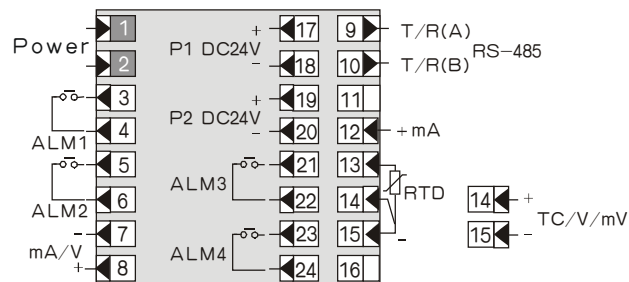
★ Note: If there is communication then transmitting output at 6, 7 terminal; if no communication, at 8, 9 terminal.

>> **Instrument wiring diagram of 96×48, 48×96, 96×96, 160×80, 80×160**

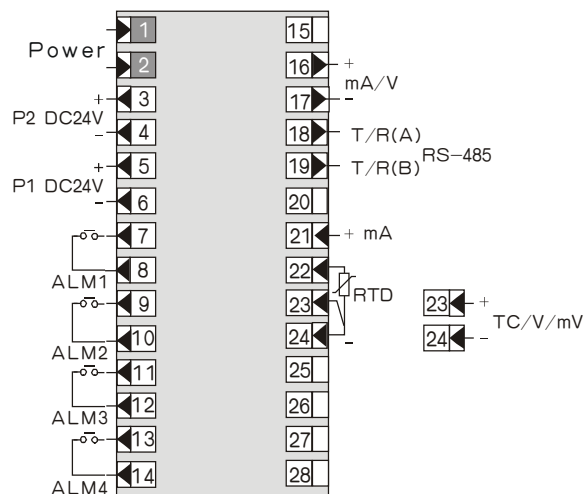


★ Note: If there is communication then transmitting output at 7, 8 terminal, if no communication, at 9, 10 terminal.

>> **Instrument wiring diagram of 96×96**



>> **Instrument wiring diagram of 160×80, 80×160**



>> Instrument wiring diagram of 96×48, 48×96, 96×96, 160×80, 80×160

