

CD101 Digital Display PID Intelligent Temperature Controller



General description :



CD series intelligent (temperature) display regulator adopts 8-bit single-chip high reliability, a variety of sensors freely input, and it adopts a wide range of switching power supply. The product's performance indicators, input style, control function and the installation size are fully compatible with the imported intelligent digital temperature controller. CD series intelligent meters, having the latest fuzzy control and combining with advanced PID adjustment algorithm, precisely control

the controlled objects.

Size options:

Models	External size (W x H x D)	Hole size
CD101 ???-??*??-?	48x48x80 (mm)	45 x 45 (mm)
CD401 ???-??*??-?	48x96x75 (mm)	45 x 92 (mm)
CD701 ???-??*??-?	72x72x75 (mm)	68 x 68 (mm)
CD901 ???-??*??-?	96x96x75 (mm)	92 x 92 (mm)

Remarks: the symbol "?" represents what functions you need, please refer to the following explanation.

Model explanation:

CD?01 ? ? ?- ? ?*? ?-?

? ? ? ? ? ? ? ?

? Standard sizes: 1?48x48x80mm??4?48x96x75mm?

7?72x72x75mm??9?96x96x75mm?

? Control style: F: PID action and automatic calculus(reverse action)

D: PID action and automatic calculus(positive action)

? Input style: thermocouple: K, J, R, S, B, E, T, N, W5Re/W26Re, PLII, U, L,

thermal resistance Pt100, JPt100

? Display range:

Input type	Input display range	Code		Input type	Input display range	Code
K	0~200?	K 01		S	0~1600?	S 01
	0~400?	K 02			0~1769?	S 02
	0~600?	K 03		B	400~1800?	B 01
	0~800?	K 04			0~1820?	B 02
	0~1200?	K 06		E	0~800?	E 01
J	0~200?	J 01			0~1000?	E 02
	0~400?	J 02		J	-199.90~+649.0?	D 01
	0~600?	J 03			-199.90~+200.0?	D 02
	0~800?	J 04			-100.0~+200.0?	D 05
	0~1200?	J 06			0.0~+200.0?	D 08
	0~1600?	J 01			0.0~+500.0?	D 10
R	0~1600?	J 01				

? The first control output: (OUT1)(Heating side)

M: relay contact output 8: Current output(DC4-20mA)

V: voltage pulse output G: Thyristor control tube drive with trigger output

T: Thyristor control tube output

? The second control output: (OUT2)(Cooling side)*2

No mark: when the control action is F or C

M: relay contact output 8: Current output(DC4-20mA)

V: voltage pulse output T: Thyristor control tube output

? First alarm(ALAM1)

N: no alarm A: Upper limit deviation alarm

B: Lower limit deviation alarm C: Upper and lower limit deviation alarm

W: Lower-limit set alarm value H: Upper limit output value alarm

? Second alarm(ALAM)*2(Same content as the first alarm)

J: Lower output value alarm V: Upper set value alarm

? Communication function:

N: no communication function 5: RS-485(double cable system)

Product

link :

<https://www.controllermeter.com/cd101-digital-display-pid-intelligent-temperature-controller.html>