▣ Product installation method

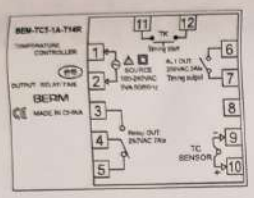
●BEM-TCT-1A(48X48mm)Series



▣ Connection diagram

※ BEM-TCT series built-in main control output, relay output and SSRP output mode, users can choose according to their needs.
The output modes of AC / DC power supply products are relay output and SSR output, without SSRP output mode.

● **BEM-TCT-1A**



● **BEM-TCT-7A/4A/9A**



▣ Parameter description

1. User parameters
In the normal measurement and control state, press the set key to enter the user control target value setting. Press the set key again to finish setting.

Display character	Name	Parameter meaning	Explain	Setting range	Default value
	SV and ST indicator lights on	Heating temperature and hot stamping time setting	When SV light is on, the upper row indicates the set temperature. When st light is on, the lower row indicates that the hot stamping time is set.	SCL—SCH 0—9999	150℃ 5

2. Engineer parameters
Press and hold the set key for 3 seconds to enter the engineer parameter setting status. To exit, press the set key for 3 seconds. To set the next parameter, press the set key once. It will exit automatically after pressing about one minute without any key.

Display character	Name	Parameter meaning	Explain	Setting range	Default value
AL1	AL1	First call the police	There are 12 alarm modes, which are determined by OP1.	-1999℃-9999℃	20℃
P	P	Proportional band	If it is 0, it is bit control, and the I and D menus will not be displayed, but the oh and ohh menus will be displayed.	0℃-999℃	30℃
I	I	Integral time constant	If it is zero, the integral control is cancelled	0-3600S	120s
d	D	Differential time constant	If it is set to zero, the differential action is cancelled	0-999S	40s
Ar	AR	Integral limiting	For integral limiting	0-100℃	1℃
ATU	ATU	Self tuning switch	Off: off; on: on	On/off	off
oH	OH	Bit control	PV > (SP + OHH) control output off		
oHH	OHH	Bit control	PV < (SP-OH) control open output		
T	T	Control period	Action period of main control	1-99S	20s
SC	SC	Display value correction	Make the display value = Pb value + internal measurement value;	-50℃-50℃	0℃
LOCK	LOCK	Parameter lock	=0 SV and all Engineer parameters can be set =1 Only SV and time can be set =Other SV and all parameters cannot be set =1168 return to factory value =199 quick access to modify factory parameters =190 quick access to modify hot stamping parameters	0-Full range	0

Fault description:

1. The upper row of flashing display: oooo the lower half indicates that the coupling is broken or the measurement exceeds PSH + 10.
2. Upper row flashing display: uuuu it indicates input short circuit or measurement exceeds psl-10.
3. Upper row flashing display: HHFC when the thermocouple indicates that the room temperature exceeds 90.0 degrees.
4. Upper row flashing display: LLFC when the thermocouple indicates that the room temperature exceeds -20.0 degrees.
5. Lower display: STOP it means that the heating output is closed manually.
6. Lower row display: EEPu indicates heating fault.

5. Description of hot stamping parameters
Press the mode key for 3 seconds to enter the engineer parameters, then press the mode key for 0.1 seconds in turn to find lock and change it to 190 and then press the mode key for 0.1 seconds to enter this menu

Character	Name	Significance	Other instructions	Range	Default value
rUnS	RUNS	Timing direction	The switch starts the timing direction, divides the positive and negative timing=The countdown of 0 is the countdown or the countdown of 1 =Other positive timers are added with 1	0—3	0
t2oF	T2OF	Delay off time	This function is effective when the time running function is the time relay (buzzer) closing output after the end of timing. The output is disconnected after delaying the time of T2 of. When=0.0, it will be closed until the start switch is released.	0.0—999.9seconds	0.0
diTC	DITC	Display function switch	Lower display mode selection, =The lower row of 0 always shows the timing time =For others, the temperature setting value will be displayed when the time is not counted, and the time will be displayed when the start switch is closed	0—3	0
otCn	OTCN	Early warning time	When the countdown time is equal to the OTC time, the built-in buzzer rings the OTC time	0—250seconds	0
n--S	M—S	Time unit	When=0Minus one, in seconds When=1Minus one time unit is 0.1 second When=2Minus one, in minutes When=3Minus one time unit is 0.1 points	0-3	0
otSY	OTSY	Hot stamping type	=0: when the switch is closed, the countdown is displayed. When the countdown is 0, the time relay is closed, and the internal buzzer rings. The relay does not release until the switch is disconnected or the T2 of time is delayed, and the buzzer does not ring. One operation is completed; =1: When the switch is closed, the countdown is displayed, the time relay is closed, the countdown is 0, the relay is released, and the buzzer rings. Until the switch is disconnected, the buzzer does not ring, and one operation is completed; =3: Start the countdown with the inching switch input. When the countdown is 0, the relay closes and the buzzer rings. When the inching switch is input again or the T2 of time is delayed, the relay releases and the buzzer doesn't ring, and one operation is completed; =4: The input of inching switch starts the countdown, the relay closes, the countdown is 0, the relay releases, and the buzzer rings at the same time. When the input of inching switch doesn't ring again, one operation is completed; =5: When the countdown is 0, the relay is closed and the buzzer rings. After one operation, the relay will release and the buzzer will not ring until the next time the input of the inching switch is started or the T2 of time is delayed; =6: When the inching switch input starts the countdown, the relay pulls in, the countdown is 0, the relay releases, the buzzer rings, and one operation is completed. When the next inching switch input starts, the relay pulls in again and the buzzer doesn't ring; =15: High and low temperature control: when the temperature is lower than the set low temperature, there is output; when the temperature rises to the set low temperature, there is no output; when the switch closing temperature is lower than the set high temperature, there is output; when the temperature rises to the set high temperature, there is no output, the countdown starts; =16: Press the button to start, press the time button to display the countdown, the countdown is 0, the time relay is closed, the internal buzzer rings, wait for the button to be pressed again, the relay is released, the buzzer does not ring, and one operation is completed; =17: Press the button to start, press the time button, display the countdown, the time relay is closed, the countdown is 0, the relay is released, the buzzer rings, wait for the button to start again, the buzzer does not ring, one operation is completed; =Others are useless	0—17	0
OSH	OSH	High temperature timing	It is useful when otsy = 15. When the measured temperature reaches Osh, the timer starts	00—SCH	200
OSL	OSL	Low temperature start	It is useful when otsy = 15. When the measured temperature reaches OSL, the start switch is effective	00—SCH	50
OtM	OTM	Built in buzzer prompt type	OTM * 10ms, when = 30, the countdown will end, and the buzzer will turn on and off at the frequency of 0.3 seconds. If necessary, it is recommended to set it to 60. =0 is a long ring	0—100	00
otAY	OTAY	Temperature prompt time	After power on, when PV > = SV time, the buzzer rings Otay time is 0, there is no such function	00—30seconds	00

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