SURE XMTS TEMPERATURE CONTROLLER – SIMILAR TO BELOW

NO	DESCRIPTION	SETTING
1	PV – actual probe temperature	None
2	SV – required temp set point	As required
3	Degrees/current drawn (not on all models)	-
4	'OUT' LED. Power out indicator	-
5	'AT' LED. On when in 'Setup' mode	
6	'SET' – function setup button	As required
7	Degrees/Current indicator LED (not on all models)	-
8	'ALARM' LED – on when probe open circuit or temp too high/low	-
9	Increase button	-
10	Decrease button	-
11	Power ON/OFF	-

Note!

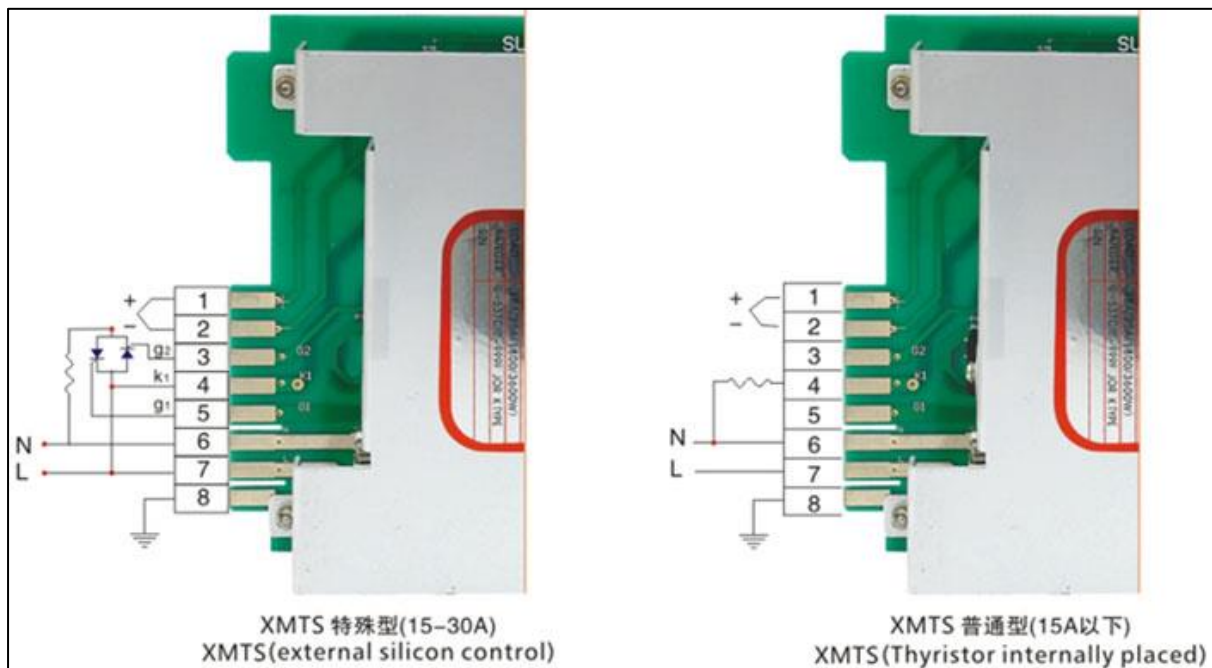'HH' indicates a thermocouple fault.

'LL' indicates thermocouple reversed or short-circuited.

Set PID values to zero for Bit-Type control.

Set LoC to unlocked (value = 0).

Set At to "ON" – so that unit is self-starting.

WIRING DIAGRAM – DRIVING SOLID-STATE and STD OUTPUT

XMTS 特殊型(15–30A)
XMTS(external silicon control)

XMTS 普通型(15A以下)
XMTS(Thyristor internally placed)

PIN	DESCRIPTION	ENCL. WIRE COLOUR - S/State	WIRE COLOUR - Normal
1	Thermocouple +	Black	Black
2	Thermocouple -	Yellow	Yellow
3	Solid-state drive signal G2	Orange	NC
4	230 VAC triac output	Grey	Red
5	Solid-state drive signal G1	Thin yellow	NC
6	Neutral	Blue	Blue
7	Live	Thick yellow	Yellow
8	Earth	Green	Green

TO SET UP THE UNIT FOR OPERATION

1. **TO SET SET-POINT (REQUIRED TEMPERATURE)**
    a. Press and hold the SET button until top row of display indicated 'SU'
    b. Set required temperature with Up and DOWN buttons
    c. Press SET again to return to operation
2. **TO SET (I think it is) PERCENTAGE VALUE (0-100%)**
    a. Press and Hold SET and DOWN buttons together
    b. HH will show in the display
    c. Adjust to required value using UP and DOWN buttons
    d. Press SET to return to operation

3. TO SET ALL THE OTHER PARAMETERS

    a. Press and hold SET and UP buttons

    b. **AL1** (Alarm) - is shown (value 0 to 50). Set to zero.

    c. Press SET

    d. **SC** (Measurement update freq. Val -20 to +20). Set to zero to 4.

    e. Press SET

    f. **P**(Proportional band – 0 to 100%). Set to 5

    g. Press SET

    h. **I** (Integration time – 0-999). Set to 300

    i. Press SET

    j. **D** (Differential time – 0 to 999). Set to 20

    k. Press SET

    l. **At** (Self-starting mode). Set to ON

    m. Press SET

    n. **Lin** (No idea – range 20 to 100). Set to 100

    o. **n25** (No idea – range 0 to 999). Set to 400?

    p. Press SET

    q. **dPu** (No idea – range 0 to 20). Set to zero

    r. Press SET

    s. **LoC** (Lock on/off). 0=off/1=set temp only/ 2=all locked

    t. Press SET

    u. Return to operation