

Control panel of chiller/heater

UL	CE
G	PE
N	N
L1	L1
L2	L2
L3	L3

For Emergency STOP signal (Those terminal are connected by jumper)
Remove the jumper before using them

1
2
3
4
UL 10
CE 24

Chilled/hot water pump interlock (Synchronized with the pump running)
Cooling water pump interlock (Synchronized with the pump running)
Ventilation fan interlock (Synchronized with the fan running)

120
170
121
170
124
170

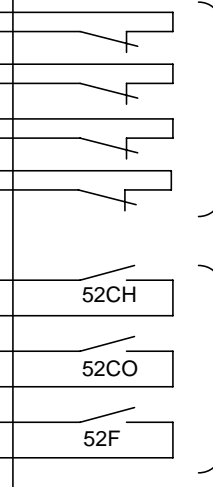
Pre-alarm signal
Remote check signal
For operation indication
For stop indication
For alarm indication
Run/stop signal for chilled/hot water pump
Run/stop signal for cooling water pump
Run/stop signal for cooling tower fan
Answer back signal
For dilution indication
Run/stop signal for ventilation fan
For cooling indication
For heating indication
For alarm buzzer
For purge indication

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Terminal strips in control panel

Field supply panel

To power source
UL : 3phase 60Hz 208V or 460V
CE : 3phase 50Hz 400V



Field wiring connection

- 1) Wiring of power supply and earthing
The chiller has MCB.
Please connect power supply wire to the terminal block.
And also connect wire between chiller control panel and earth at field.
Earthing resistance : Local regulation
Earthing cable : Annealed copper wire
(Please use the wire as same the thickness as the wire of the power supply)
- 2) Wiring of emergency stop signal
Please connect the wire as follows;
Emergency stop switch, Gas leak detector, Flame detector, Seismograph, etc.
Use terminal number 1-2, 2-3, 3-4, 4-10 or 2-24.
Each terminal is wired by jump at factory.
Remove the jump before using those terminal.

Note)

- 1) **Be sure to connect operation signals of the chilled water pump and the cooling water pump on the absorption chiller's control panel. Otherwise a freeze accident may happen.**
- 2) Should be work the electric wiring connection by license holder.
- 3) Use steel conduit for electric wiring between field electric supply and control panel of the chiller.
- 4) Field wiring connections are all low voltage without supply voltage.



Field electric wiring

Model	TSA-16DJ
Drawing code	CM-032-001-01-2