

Affordable. Reliable. Home Improvement.

AIR-COOLED INDUSTRIAL CHILLER

MODEL: GW532A-8D, GW532A-15D, GW532A-20D

VEVOR

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This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

Please read the in manual carefully before installing the controller!

Software Version : X1.GW532A.TY.F01M V100L05

1 Instructions

Dear Customer:

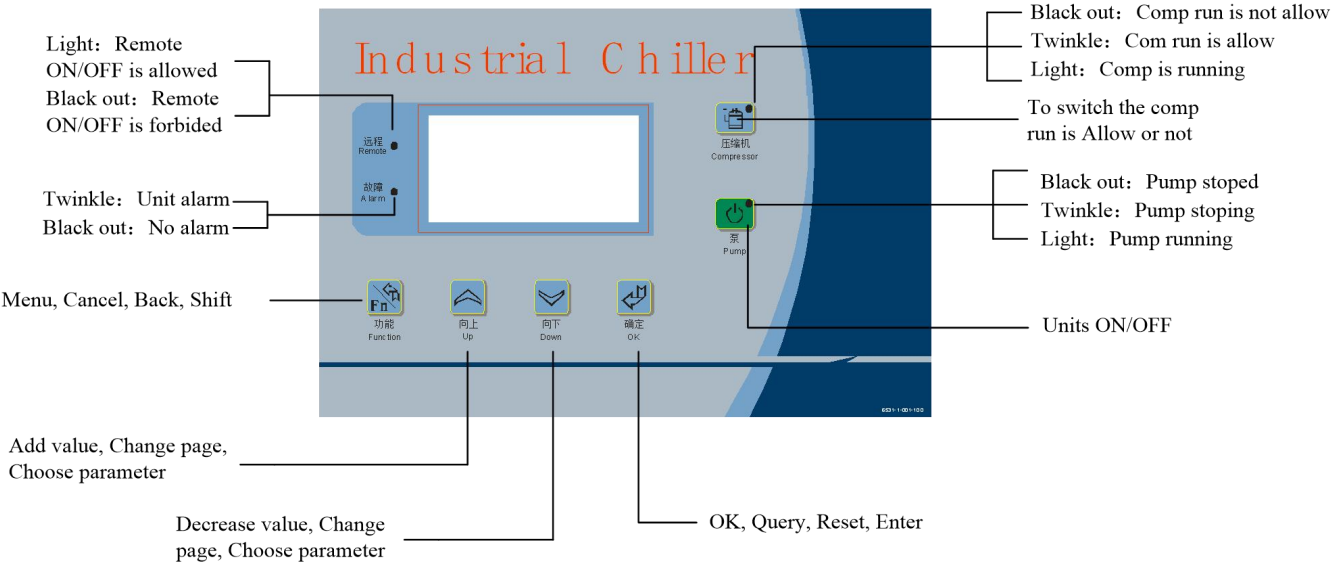
Thank you for choosing PUNP products!

For your convenience, please read the instructions carefully and follow the steps of the Manual.

2 Specifications

No.	Specification Parameter	Description	No.	Specification Parameter	Description
1	Rated input voltage	AC480V 60Hz	6	Switch Output	5 relays 250VAC 2A
2	Temperature Range	-40~100℃	7	Relay load type	D01:annunciator D02-D05: contactor or valve
3	Measurement Accuracy	0.1℃@25℃	8	Switch Input	12 passive signal inputs
4	Working Environment	-10℃~60℃, ≤85%RH non-condensation	9	Analog Input	1 NTC temperature sensor
5	Storage Environment	-20℃~70℃, ≤85%RH non-condensation	10	Current Input	4 ways of current (0.3~35A)

3 Panel Diagram



4 First Power-on

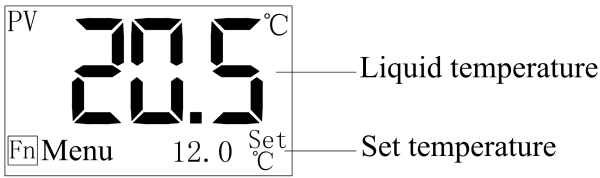
The controller needs to be configured when powered on for the first time. Please refer to 10.4 Configuration guide for specific operation.

5 Common Screens

Commonly used screens include the main screen and the alarm screen.

5.1 Main Screen

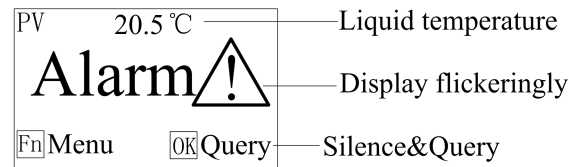
The system will enter the main screen after countdown, which displays as follows:



Press + for 3 seconds on the main screen can change the language quickly.

5.2 Alarm Screen

In case of unit failure, the alarm screen is as follows:

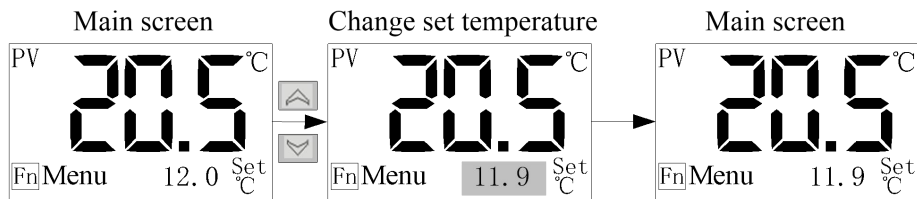


Press + during down count and enter Language screen, press or to change current Language, press to quit without saving, press to save and quit.

6 Common Operation

6.1 Quick Modification of Setting Temperature

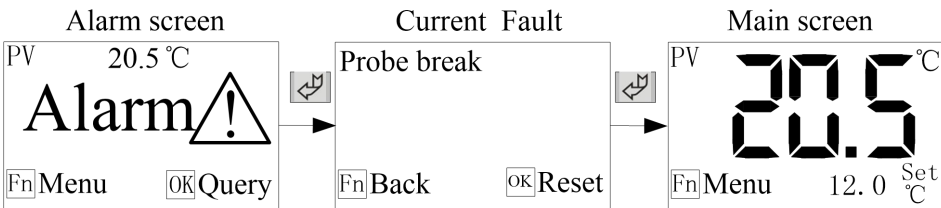
If the user parameter [Lock T.set] is set to "No", the setting temperature can be modified directly in the main screen, with operation details as follows:




Note: the setting temperature can also be modified in the user parameters.


6.2 Query/Reset Fault

In case of fault, the alarm screen will automatically pop up. The operation details of query and reset faults are as follows:



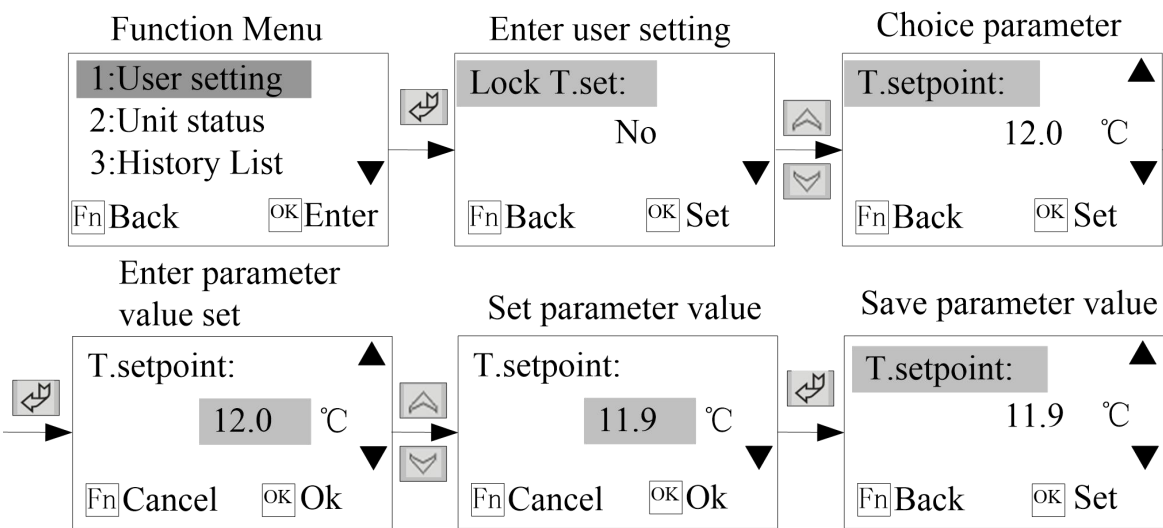
7 Function Menu

Press the button  on the main screen to enter the Function Menu, which includes five items as the table below:

No.	Menu Item	Function	Remark
1	User Settings	To display user parameters	For number of user parameters and their implications, please refer to: 9 User Parameters Table.
2	Unit Status	To display the current operating status of the unit	Current value is not displayed when current module is not used.
3	History List	Allowing the query of the last 10 faults	Press  for 2s to clear the fault history.
4	Comp run time	To display the cumulative operation time of the compressor	
5	Version	To check the current software version	

8 Parameter Operation

For the modification operation of parameter value, the user's modification of setting temperature will be described as an example.





9 User Parameters Table

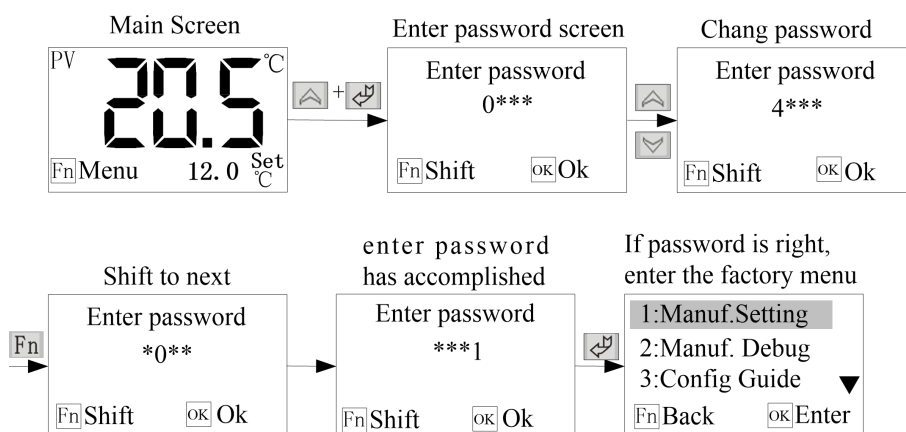
The implication of each parameter in the user parameters is listed in the following table:

No.	Parameter Name	Factory Default	Setting Range	Remark
1	Lock T.set	No	Yes ~ No	Yes: the set temperature can not be modified on the main screen when locked. No: the set temperature can be modified on the main screen.
2	T.setpoint	12.0℃	[T.setpoint min] ~ [T.setpoint max]	Setting range is limited by the manufacturer parameters [T.setpoint max], [T.setpoint min]. (When the [TEMP Unit] is set "Fahrenheit", the parameter is not displayed.)
3	T.setpoint	53.6 ℉	[T.setpoint min] ~ [T.setpoint max]	Setting range is limited by the manufacturer parameters [T.setpoint max], [T.setpoint min]. (When the [TEMP Unit] is set "Celsius", the parameter is not displayed.)
4	TEMP Unit	Celsius	Celsius; Fahrenheit	
5	Contrast	32	20~44	Adjust the LCD contrast
6	On/Off type	Local	Local / Local + Remote / Remote	Local: the unit can only start and stop locally. Local + Remote: the start and stop of the unit can be controlled both locally and remotely. Remote: the unit can only start and stop remotely.
7	Backlight On	0	0~255 minute(s)	0: backlight is not turned off.
8	Language	中文	中文~English	Select the display language.
9	Comp Select	Two Comp	1#Comp/2#Comp/ Two Comp	Select the Comp to run. if select one comp the other does not work. The parameter is not listed for the single comp machine.

10 Manufacturer Menu

Press  +  in the main screen to enter the Enter Password screen and enter the correct manufacturer password (default 4561, which is recommended to change). Then enter the Manufacturer Function Menu, which includes five items.



10.1 Procedures of Entering Manufacturer Menu



10.2 Details of Manufacturer Menu

The details and function of manufacturer menu are shown in the following table:

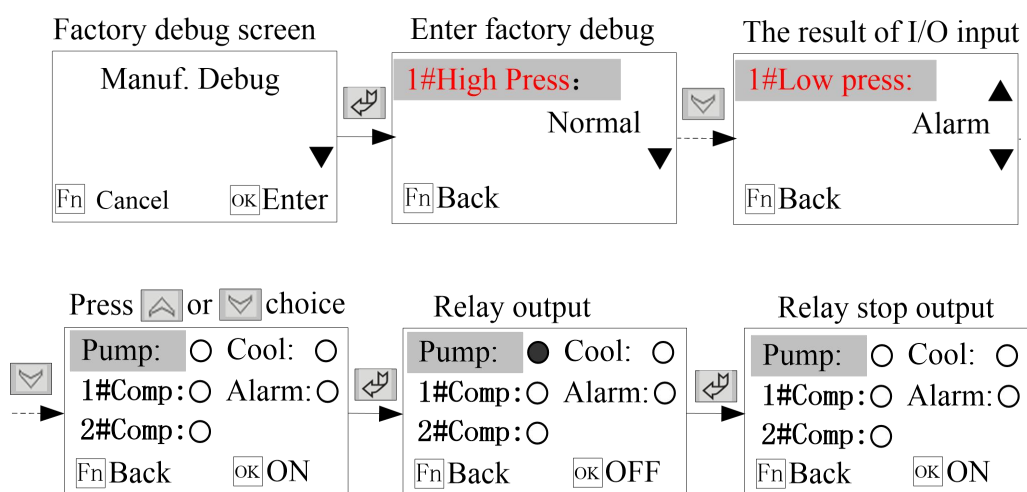
No.	Parameter Item	Function	Remarks
1	Manuf. setting	To set the parameters commonly used by the manufacturer	Refer to 13 Manufacture Parameters for specific parameters.
2	Manuf. debug	To debug the abnormal operation of each electrical part of the unit	Not available during the unit operation.
3	Config guide	Commonly used parameters of config the unit	Not available during the unit operation. The screen will pop up when powered on for the first time.
4	Initialize	For initialize all parameters of the machine.	Refer to 10.5 Manufacture Parameters for the initial values of the parameters.
5	Password Set	To set the password to enter manufacturer menu.	The default value is 4561, which is recommended to change.

Note: Press  +  in the manufacturer menu for 2 seconds can reset the accumulative operation time of the compressor.

10.3 Manufacturer Debugging

Manufacturer debugging is mainly used to test whether the operation of each electrical part of the unit is normal, which is not available when the unit is under operation.

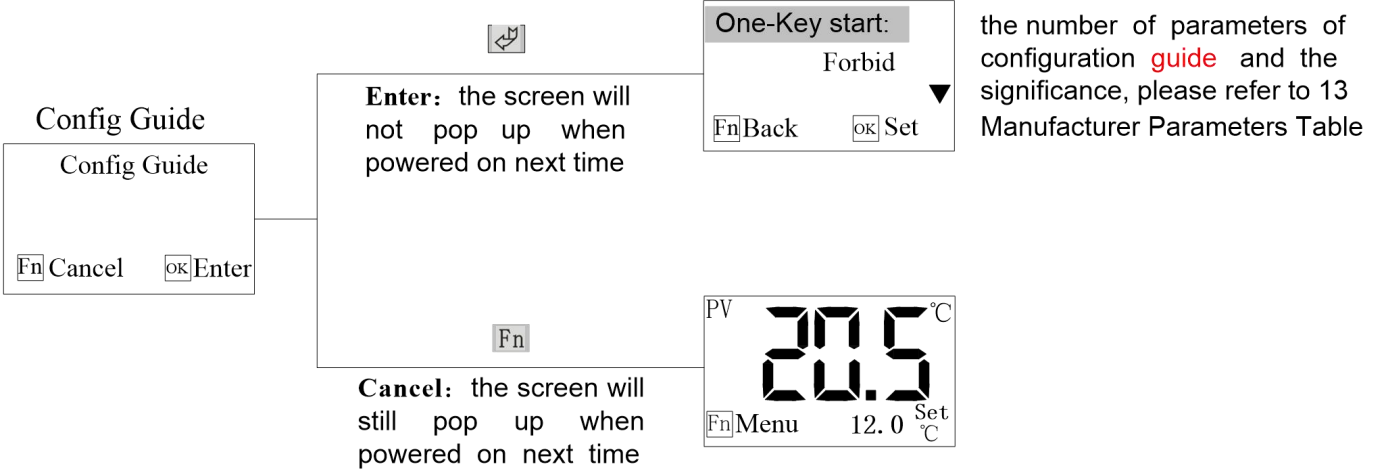
Method: to determine whether the unit is normal by testing three-phase power input, seven alarm inputs (10 alarm inputs for two compressors) and 5 relay outputs. For alarm input, it only displays the test result. If the result is normal the wiring is good and parameter settings are correct; if it alarms, with flashing display of alarm characters, then make sure whether the external wiring is good and the parameter settings are consistent.



10.4 Configuration Guide

Configure the common parameters of the machine. For the number of parameters of configuration guide and the significance, please refer to 13 Manufacturer Parameters Table. Access is not available during the unit operation.

Refer to the Parameter Operation for specific configuration method. The Configuration guide screen will pop up when powered on for the first time. And if you click “Cancel” operation without configuring at this point, the Configuration guide screen will still pop up when powered on next time. Once you have entered the Configuration guide, the Configuration guide screen will not pop up when powered on and you can only enter the Configuration guide through the Manufacturer Menu.



11 Fault List

Fault	Description	Test Conditions	Troubleshooting	Solution
1#Comp.P high	High pressure of compressor1	If the [HP check dly] is 0, test when the compressor button has pressed;If the HP check dly] is not 0, then compressor runs the test.	Stop compressor1 only without affecting other equipment to work. [Note1]	Check if the input is consistent with the switch setting.
1#Comp.P low	Low pressure of compressor1	If the [LP detect dly] is 0, test when the compressor button has pressed; If the [LP detect dly] is not 0, then compressor1 runs the test.		
1#Comp overload	The compressor1 overload	Compressor1 runs the test.		Check if the input is consistent with the switch setting.
1#Comp.I high	The current of compressor1 is too high			Check if the rated current of compressor1 is input is reasonable.
1#Comp.I low	The current of compressor1 is too low			Check if the measure tool of the compressor1 current is connected.
1#T.Vent high	The vent temperature of compressor1 is too high			Check if the input is consistent with the switch setting.
2#Comp.P high	High pressure of compressor2	If the [HP check dly] is 0, test when the compressor button has pressed;If the HP check dly] is not 0, then compressor2 runs the test.	Stop compressor2 only without affecting other equipment to work. [Note2]	Check if the input is consistent with the switch setting.
2#Comp.P low	Low pressure of compressor2	If the [LP detect dly] is 0, test when the compressor button has pressed; If the [LP detect dly] is not 0, then compressor2 runs the test.		
2#Comp overload	The compressor2 overload	Compressor2 runs the test.		Check if the input is consistent with the switch setting.
2#Comp.I high	The current of compressor2 is too high			Check if the rated current of compressor2 is input is reasonable.
2#Comp.I low	The current of compressor2 is too low			Check if the measure tool of the compressor2 current is connected.
2#T.Vent high	The vent temperature of compressor2 is too high			Check if the input is consistent with the switch setting.

Temp.low AL	The liquid temperature is too low	Test after cold pump starts	Stop the compressor and delay to stop the cool pump, and do not stop the cold pump.	Check if the Liquid temperature is lower than the set temperature of Liquid protection.
T.high warn	The liquid temperature is higher than the warn value.		Alarm only without affecting other equipment to work.	Check if the Liquid temperature is higher than the set temperature of Liquid warn.
Temp.high AL	The liquid temperature is too high		If the [Temp.high AL] is set "Pump keep", Stop the compressor and delay to stop the cool pump, and do not stop the cold pump; If the [Temp.high AL] is set "Pump stop", Stop the unit in case of fault.	Check if the Liquid temperature is higher than the set temperature of Liquid protection.
Anti-freeze.AL	Antifreeze alarm	Power on to test	Stop all the compressor and cool pump, and do not stop the cold pump.	Check if the antifreeze input is consistent with the switch setting.
Probe break	The liquid temperature sensor is broken			Check if the temperature probe is in proper contact.
Probe short	The liquid temperature sensor is short			
cool fan overload [Note3]	The cool pump or fan overload	Test after Cool pump starts	Stop compressor1 and cool pump or fan only	Check if the fan1 overload input is consistent with the switch setting.
Cool.I high AL	The current of cool pump or Fan is too high			Check if the rated current of cool is input is reasonable.
Cool.I low AL	The current of cool pump or Fan is too low			Check if the measuring tool of the cool current is connected.
Cool W.flow AL	Lack of cool water flow	Test after the cool pump starts for [Cool on delay] time	Stop compressor1 and cool pump or fan only	Check if the cool water flow input is consistent with the switch setting.
Cold W.flow AL	Lack of cold water flow	Test after the cold pump starts for [Pump on delay] time	If the [Lack of water] is set "Pump keep", Stop compressor and cool pump in case of fault. If the [Lack of water] is set "Pump stop", Stop the unit in case of fault.	Check if the cold water flow input is consistent with the switch setting.

Cold Pump Overload [Note3]	The cold pump overload	Test after cold pump starts	Stop the unit	Check if the cold pump overload input is consistent with the switch setting.
Pump.I high AL	The current of cold pump is too high			Check if the rated current of cold is input is reasonable.
Pump.I low AL	The current of cold pump is too low			Check if the measure tool of the cold current is connect.
Phase AL	The three-phase power input is alarm	Power on to test	Stop the unit	Check if there is default phase or anti-phase in the three-phase power input and if the switch is correct.
Water lv. AL	The water level is low	Power on to test	If the [Low water lv.] is set “Pump keep”, Stop compressor and cool pump in case of fault. If the [Low water lv.] is set “Pump stop”, Stop the unit in case of fault.	Check if the water level input is consistent with the switch setting.
Need Maintain	The total time of compressor run over the allow value	Test after cold pump starts	The unit cannot start once stops (the accumulative operation time of compressor exceeds the set value).	
1#Comp Oil Low	The comp oil level is low	Compressor1 runs the test.	Stop the compressor and delay to stop the cool pump, and do not stop the cold pump.	Check if the comp oil level input is consistent with the switch setting.
2#Comp Oil Low				
Need Upkeep	The total time of compressor run over the allow value	Power on to test	Alarm only without affecting other equipment to work, can be reset.	

[Note 1]: In case of "1#Comp.P low " fault, if [LP stop pump] is not zero, the troubleshooting program is: to immediately stop all compressors and cool pump, delay the [LP stop pump] and stop the cold pump. If [LP stop pump] is zero, then the troubleshooting program is: to only stop compressor1 without affecting other equipment to work.

[Note 2]: In case of "2#Comp.P low " fault, if [LP stop pump] is not zero, the troubleshooting program is: to immediately stop all compressors and cool pump, delay the [LP stop pump] and stop the cold pump. If [LP stop pump] is zero, then the troubleshooting program is: to only stop compressor2 without affecting other equipment to work.

[Note3]:

[Machine type]	the screen real display when Cold Pump overload	the screen real display when Cool Pump overload
AIR-WATER	Cold Pump Overload	Cool Fan Overload
W-W SYS.	Cold Pump Overload	Cool Pump Overload
AIR-AIR	Cold Fan Overload	Cool Fan Overload
WATER-AIR	Cold Fan Overload	Cool Pump Overload

12 Control

12.1 Logic of compressor

Double compressor but select only one / Single compressor:

The heating process, the compressor ON when $PV \geq SV + ADD$.

The cooling process, the compressor OFF when $PV < SV - SUB$

Double compressors:

a) If [Unload offset] is not 0

The heating process, one compressor ON when $PV > SV$ and two compressors ON when $PV \geq SV + ADD$.

The cooling process, if two compressors ON currently, one compressor OFF when $PV < SV$ and two compressors OFF when $PV < SV - SUB$. If compressor ON currently, the compressor OFF when $PV < SV - SUB$.

b) If [Unload offset] is 0

The heating process, one compressor ON when $PV \geq SV + ADD$; after the time of [Capacity ctrl], if $PV \geq SV + ADD$ remains, two compressors ON.

The cooling process, the compressor OFF when $PV < SV$.

Note: PV: The liquid temperature SV: set temperature
ADD: load temperature difference SUB: unload temperature difference

12.2 Logic of pump freeze protection

a) When [T.freeze prot] = "forbid", there is no pump freeze protection.

b) Otherwise under the idle state:

if $SV \leq [T.freeze prot]$, the pump opens;

if $SV \geq [T.freeze prot] + 2$, the pump will close after 10 seconds.

13 Manufacturer Parameters Table

Parameters set by the manufacturer and parameter meanings are listed as follows: ("*" is for parameters of the configuration guide)

Setting Item	Name of Parameter	Factory Default	Setting Range	Remark
Func. Setting	*One-Key start	Forbid	Forbid ~ Use	Forbid: the compressor is allowed to ON only when press the compressor button; Used: the compressor allows ON when press the pump button.
	Auto start up	Forbid	Forbid ~ Use	Use: the unit starts automatically when powered on; Forbid: the unit doesn't start automatically when powered on; When the user parameter [On/Off type] is set to be "Remote", the electrical autostart is invalid.
	Alarm output	Keep when mute	Keep when mute; Stop when mute	Keep when mute: press the "alarm output" parameter to take action once a fault occurs; Stop when mute: press the "alarm output" parameter to take action in case of no fault after silencing.
	Alarm type	N.O	N.O~N.C	N.O: the alarm relay is ON in case of faults; N.C: the alarm relay is OFF in case of faults.
	*DI5 function	Water switch	Water switch; Vent1 temp	Water switch: DI5 input for water level detection Vent1 temp: DI5 input for Vent1 temperature detection
	*DI9 function	Phase switch	Phase switch; Cool W.flow Vent2 temp; 2#Comp Oil LVL	Phase switch: DI9 input for phase sequence detection Cool W.flow: DI9 input for cool water flow detection Vent2 temp: DI9 input for Vent2 temperature detection 2#Comp Oil LVL: DI9 input for 2#comp oil level detection
	*Low water lv.	Pump stop	Pump stop ~ Pump keep	Pump stop: stop the cold pump in case of low water level fault; Pump keep: do not stop the cold pump in case of low water level fault.
	*Lack of water	Pump stop	Pump stop ~ Pump keep	Pump stop: stop the cold pump in case of cold water flow fault;

				Pump keep: do not stop the cold pump in case of cold water flow fault.
	*Current detect	Use	Forbid ~ Use	Use: there is a current detection module; Forbid: no current detection module
	*1#Comp.l rating	0.3A	0~35.0A	0A: do not detect the current fault. When [Current detect] is set "Forbid", those parameter is not displayed. (if the rating current of Comp or Pump is lower 1A, when using please winding two or three laps on the sensor)
	*2#Comp.l rating	0.3A	0~35.0A	
	*Pump. I rating	0.3A	0~35.0A	
	*Cool. I rating	0.3A	0~35.0A	
	*Phase monitor	On_board	On_board; Forbid; IO_input	Onboard: use the controller's own three-phase power protection; Switch input: use an external three-phase power protection. (The external three-phase power protection can only be used when [DI9 function] is set "Phase switch" .) Forbid: do not use three-phase power detection function.
	DI1 input opt	Cool overload	Cool overload; Anti-freeze	Selection of switch DI1 input function
	*Comp number	2	1~2	Selection of the number of compressor
	*Machine type	AIR-WATER	AIR-WATER; W-W SYS.; AIR-AIR; WATER-AIR	AIR-WATER. fan-cooled water chiller, W-W SYS. :water-cooled water chiller, AIR-AIR : fan-cooled fan cooler WATER-AIR : water-cooled fan cooler
Temp. Setting	*Lang switch	Use	Forbid ~ Use	Use: Allows users to switch between English and Chinese. Forbid: Forbid users to switch between English and Chinese.
	*Temp.high AL	Pump keep	Pump stop ~ Pump keep	Pump stop: stop the cold pump in case of Temp.high fault; Pump keep: do not stop the cold pump in case of Temp.high fault.
	*DI2 function	Remote	Remote; 1#Comp Oil LVL	Remote:DI2 input for remote switch 1#Comp Oil LVL: DI2 input for 1#comp oil level detection
	*DO1 function	Alarm signal	Alarm signal; Run signal	If [DO1 function] is "Alarm signal" [Alarm type] is N.O: the alarm relay is ON in case of faults; [Alarm type] is N.C: the alarm relay is OFF in case of faults. If [DO1 function] is "Run signal" [Alarm type] is N.O: the alarm relay is OFF when the unit is normal running; [Alarm type] is N.C: the alarm relay is ON when the unit is normal running.
	Load offset	1.0℃	0~10.0℃	Temperature deviation of load the compressor
	Load offset	1.8℉	0~18.0℉	Fahrenheit ℉
	Unload offset	1.0℃	0~10.0℃	Temperature deviation of unload the compressor
	Unload offset	1.8℉	0~18.0℉	Fahrenheit ℉
	T.setpoint max	30.0℃	-40.0~99.9℃	To limit the temperature of user set.
	T.setpoint max	86.0℉	-40.0~211.8℉	
	T.setpoint min	5.0℃	-40.0~99.9℃	Fahrenheit ℉
	T.setpoint min	41.0℉	-40.0~211.8℉	
	T.bias	0.0℃	-9.9~9.9℃	Compensation for the liquid temperature
	T.bias	0.0℉	-17.8~17.8	Fahrenheit ℉

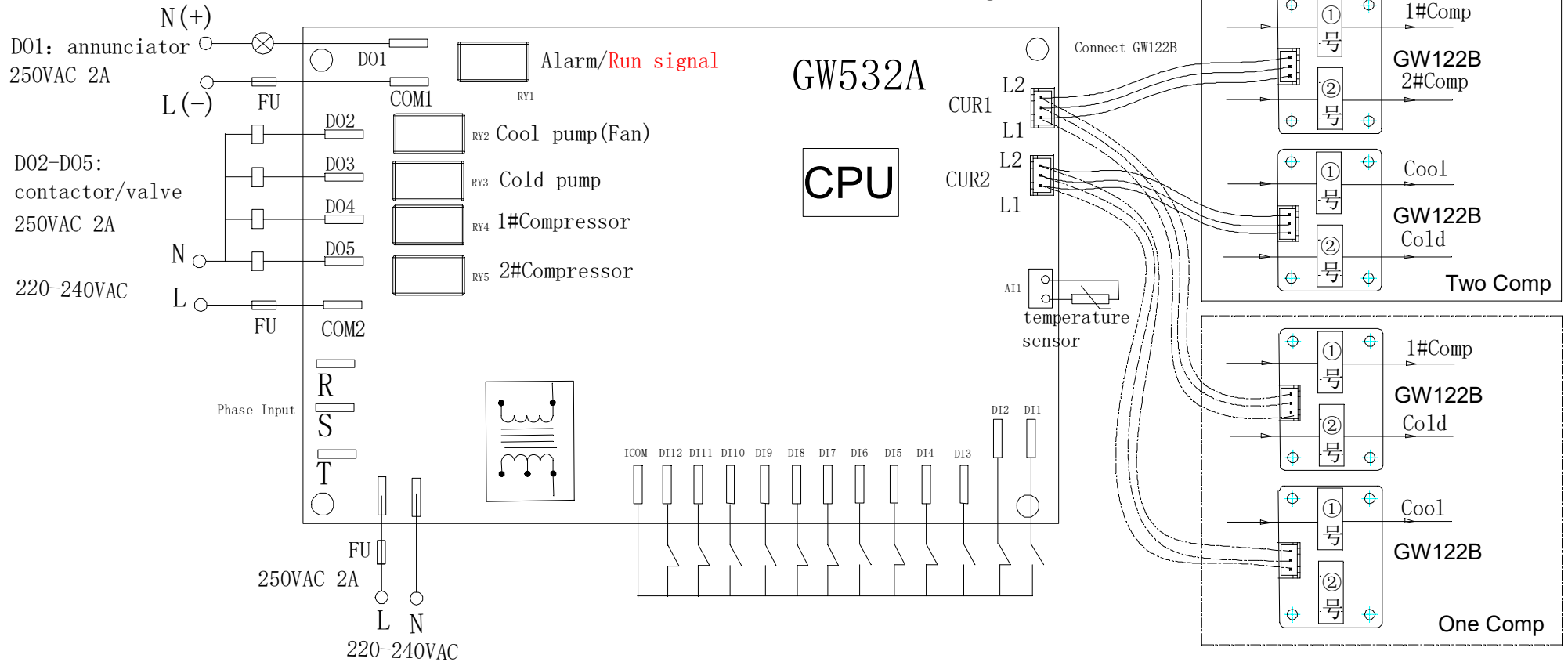
	T.low protect	4.0℃	-45.0~99.9℃	Fault of “Temp.low AL” warning is reported when the liquid temperature is lower than the set value.
	T.low protect	39.2°F	-49.0~211.8°F	Fahrenheit °F
	T.high warn	50.0℃	0~99.9℃	Fault of “Temp.high warn” warning is reported when the liquid temperature is higher than the set value.
	T.high warn	122.0°F	32.0~211.8°F	Fahrenheit °F
	T.high alarm	60.0℃	0~99.9℃	Fault of “Temp.high AL” warning is reported when the liquid temperature is higher than the set value. And Stop the compressor and delay to stop the cool pump.
	T.high alarm	140.0°F	32.0~211.8°F	Fahrenheit °F
	T.high reset	5.0℃	0~99.9℃	If liquid temperature<[T.high alarm]–[T.high reset], manual reset of “Temp.high AL” fault is allowed; If liquid temperature<[T.high warn]–[T.high reset], the “Temp.high warn” fault is automatically reset;
	T.high reset	9.0°F	0~179.8°F	Fahrenheit °F
	T.freeze prot	forbid	forbid~15.0℃	No such function when set to forbid.
	T.freeze prot	forbid	forbid~59.0°F	No such function when set to forbid(32.0°F).
Time Setting	Pump on delay	10 S	1~255 S	Delay after cold pump startup.
	Cool on delay	10 S	1~255 S	Delay after cool pump startup.
	Capacity ctrl.	5 S	0~255 S	Control the compressor ON/OFF every [Capacity ctrl.] interval time; For double-compressor control, if the conditions of two compressors ON are satisfied, then one of the compressors ON and the other after the time of [Capacity ctrl.].
	Comp protect	60 S	0~255 S	To avoid frequent ON/OFF the compressor, the interval between the start of two compressors must be greater than the set value.
	Input stable	2 S	0~255 S	The time General fault stable.
	W.flow stab.	5 S	0~255 S	It is considered to be valid only when the water flow alarm continue for the time.
	LP detect dly	60 S	0~255 S	Compressor low-pressure fault input is allowed only when the compressor has run for the set time.
	LP stable	5 S	0~255 S	Low-pressure fault stable time
	LP stop pump	0 S	0~300 S	0: the parameter has no effect . Non-0: in case of low pressure fault of the compressor, immediately stop all compressors and cool pump, delay the [LP stop pump] and stop the cold pump.
	Comp operation	0 H	0~9999 H	0: this parameter has no effect. Non-0: the compressor cannot start when the accumulative operation time is greater than the set value.
	Comp shift	0 Min	0~255 H	0: the parameter has no effect ; Non-0: a compressor will automatically switch to another after it has run continuously for that time.
	1#Comp.l avoid	2 S	1~255 S	The current fault of 1#compressor can only be detected after 1# compressor has started for the set time. (When the [Current detect] is set “forbid”, the parameter is not displayed.)
	2#Comp.l avoid	2 S	1~255 S	The current fault of 2#compressor can only be detected after 2# compressor has started for the set time. (When the [Current detect] is set “forbid”, the parameter is not displayed.)
	Pump. l avoid	2 S	1~255 S	The current fault of cold pump can only be detected after it has started for the set time. (When the [Current detect] is set “forbid”, the parameter is not displayed.)

	Cool. l avoid	2 S	1~255 S	The current fault of cool pump can only be detected after it has started for the set time. (When the [Current detect] is set "forbid", the parameter is not displayed.)
	Comp Oil dly	5 S	1~255 S	1#Comp/2#comp oil low stable time
	W.level delay	0 M	0~30 M	0: This parameter has no effect. Non-0: When the water level is too low , the alarm will be delayed for this period of time before the fault handling action is performed.
	HP detect dly	0S	0~255 S	Compressor high-pressure fault input is allowed only when the compressor has run for the set time.
	Unit upkeep	0 H	0~9999 H	0: this parameter has no effect. Non-0: alarm when the accumulative operation time of compressor is greater than the set value.
Input Setting	*Freez overload	N.O	N.O N.C Forbid	Selection of switch input mode N.O: switch off with no fault; N.C: the switch is closed with no fault. Forbid: the corresponding switching state is not detected.
	*Cold W.flow	N.C	N.O N.C Forbid	
	*W.level switch	N.C	N.O N.C Forbid	When [DI5 function] is " Vent1 temp", it is the place for N.O N.C Forbid settings of vent1 temperature detection.
	*Comp overload	N.O	N.O N.C Forbid	Selection of switch input mode N.O: switch off with no fault; N.C: the switch is closed with no fault. Forbid: the corresponding switching state is not detected.
	*Low pressure	N.C	N.O N.C Forbid	
	*High pressure	N.O	N.O N.C Forbid	Forbid: the corresponding switching state is not detected.
	*Phase error	N.O	N.O N.C Forbid	When [DI9 function] is " Cool W.flow", it is the place for N.O N.C Forbid settings of cool water flow switch. When [DI9 function] is "Vent1 temperature", it is the place for N.O N.C Forbid settings of vent1 temperature detection.
	*Cool overload	N.C	N.O N.C Forbid	When [DI1 input opt] is " Anti-freezing", it is the place for N.O N.C Forbid settings of antifreeze switch.
	Comp Oil switch	N.C	N.O N.C Forbid	1#Comp/2#comp oil low N.O: switch off with no fault; N.C: the switch is closed with no fault. Forbid: the corresponding switching state is not detected.
	*Temp Reset Low	Manual Reset	Manual Reset; Auto Reset;	Reset type of "Temp.low AL"
	*Level Reset Low	Manual Reset	Manual Reset; Auto Reset;	/

[Note]: remote switch, if the remote control is used, the unit will start up when remote switch input is closed and stop when remote switch input is disconnected.

14 Electrical Connection Diagram

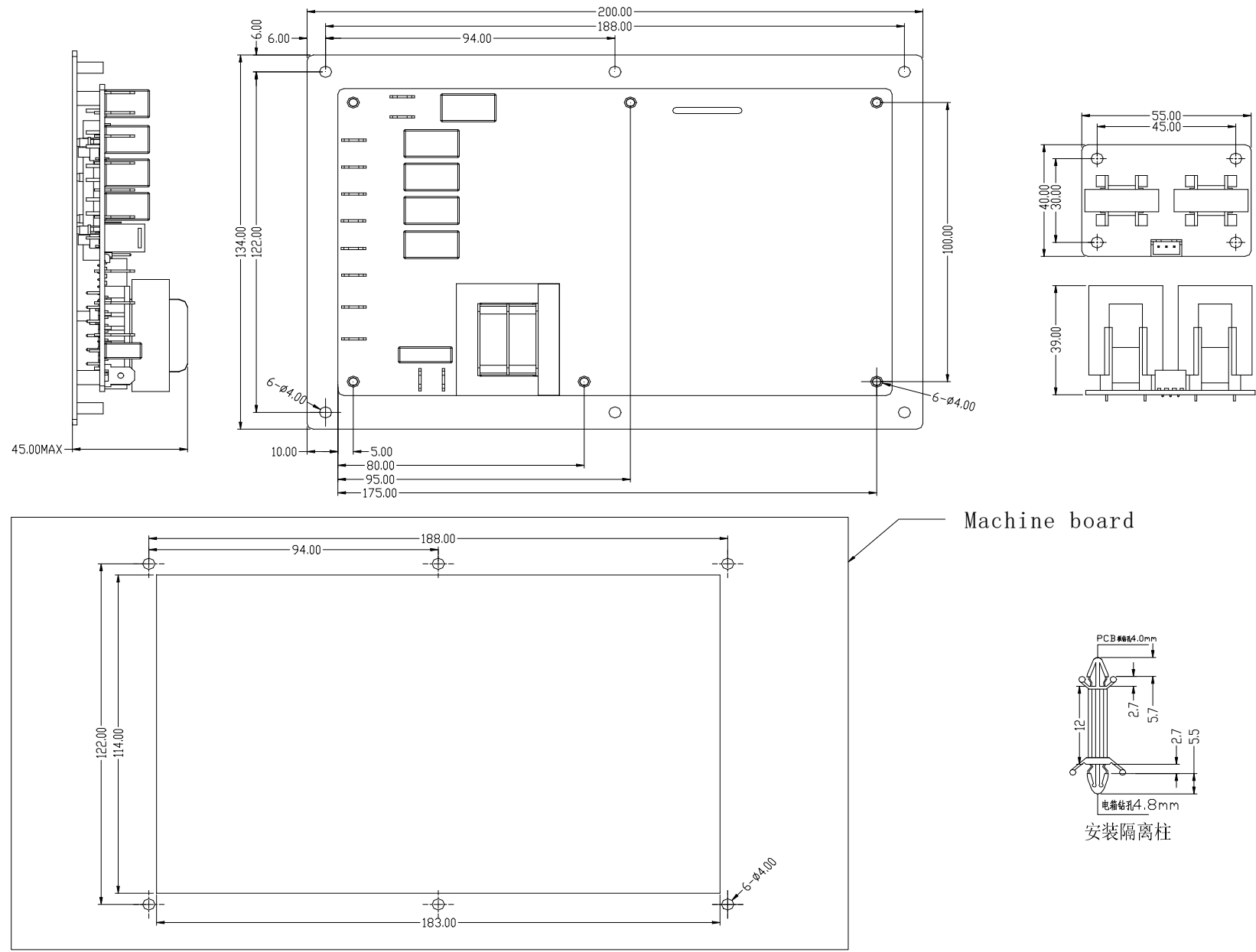
X1. GW532A. TY. F01M. Electrical Connection Diagram



DI1: Cool overload/Antifreezing switch
 DI2: Remote switch
 DI3: Cold Pump overload
 DI4: Cold Water flow switch
 DI5: Water level switch/Vent1 temperature
 DI6: 1#Compressor overload

DI7: Low pressure of 1#compressor
 DI8: High pressure of 1#compressor
 DI9: Cool flow switch/Vent2 temperature/Phase switch
 DI10: 2#Compressor overload
 DI11: Low pressure of 2#compressor
 DI12: High pressure of 2#compressor

15 Installation Dimensions





Warning-To reduce the risk of injury, user must read instructions manual carefully.



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:(1)This device may not cause harmful interference, and (2)this device must accept any interference received, including interference that may cause undesired operation.

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