

# ***TK GUIDELINE***

# ***REMOTE PROBE EXTENSION KIT INSTALLATION***

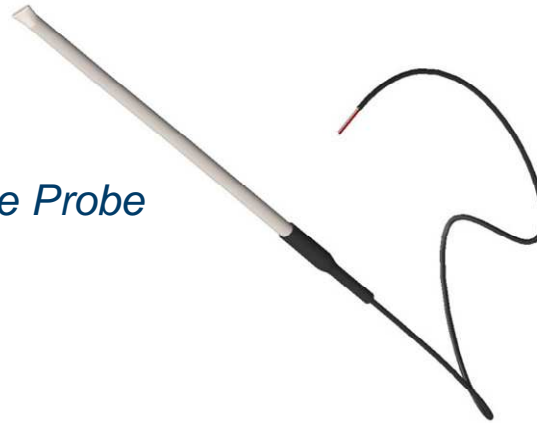
**MODELS :**

***TK500 – TK1000 – TK 2000***

# EQUIPMENT



*Screw-driver*



*Remote Probe*



*Screw-driver*

*Two Suction  
Cups*



*Cable Entry*

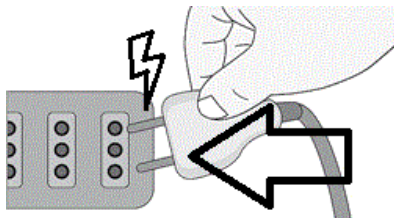


*Programming  
Hot Key*



# STEP n. 1

Disconnect the chiller from power supply.  
Never touch internal part or dismount chiller  
when it is connected to power supply to  
avoid potential electric shock.



*Remove the conveyor from the top part of the chiller.*

*You can see the metal black grid and the red fan support.*



# STEP n. 2

*Remove the air filter grid assembly and the air filter*



# STEP n. 3



*Using the screw-driver, remove the 4 INOX screws, shown in the picture here below.*



# STEP n. 4

*Remove the red fan support by lifting it up from the bottom edge. Leave it on the metal cover, as shown in the picture below.*



# STEP n. 5

*Disconnect the compressor connector and heater connector .*



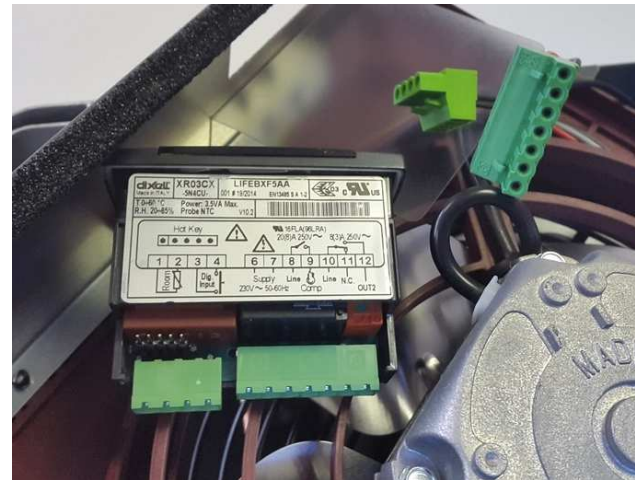
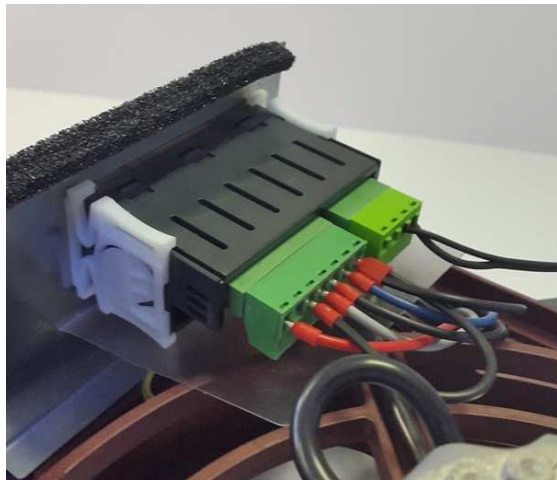
*Compressor  
connector*



*Heater  
connector*

# STEP n. 6

*Disconnect the 2 green connectors from the thermostat.  
Then pull the thermostat off from its mounted position taking out  
the 2 white supports.*



# STEP n. 7

*Set the cable entry in the predrilled label in the back of the chiller.*

*Take the wire of the REMOTE PROBE EXTENSION KIT and pass it through the hole.*



# STEP n. 8

Please check if your chiller initially has two or one probe.

-The chiller has one probe.

Now your chiller has only exchanger water probe.

After remote kit installation, it will have two probes: one in chiller exchanger (to prevent ice) and one in your aquarium tank.

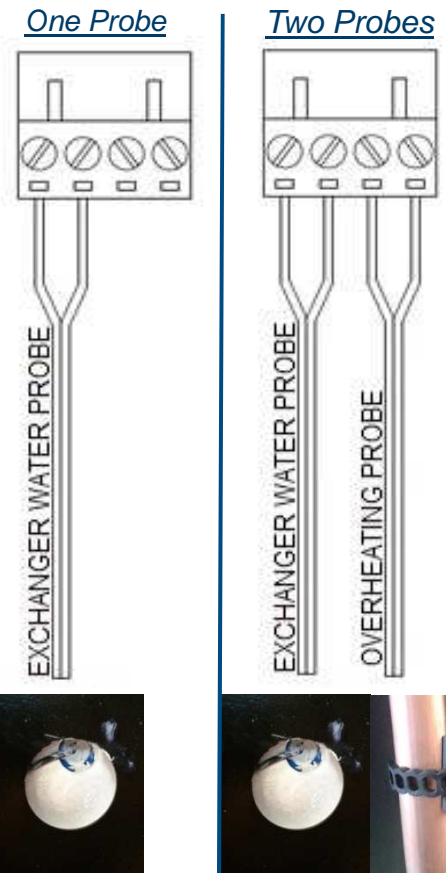
In order to properly mount probes , please go to [step.8A](#).

-The chiller has two probes.

Now your chiller has two probes (exchanger water probe and overheating probe). After remote kit installation, overheating probe will be removed and the chiller will have two probes: one in chiller exchanger (to prevent ice) and one in your aquarium tank.

In order to properly mount probes , please go to [step.8B](#).

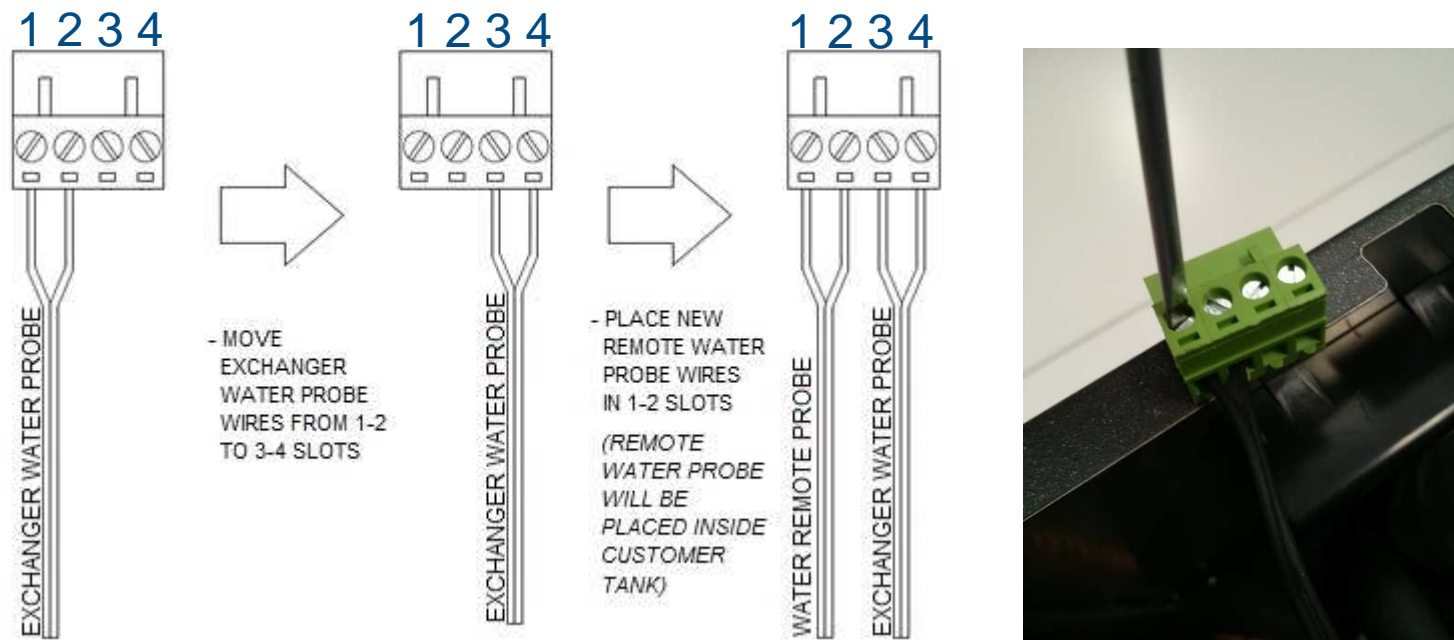
At the beginning



# STEP n. 8 A

CASE A: Chiller had only water probe inside exchanger (no overheating probe)

You can use a screw-driver in order to disconnect and connect probe wires to small green connector slots. Please follow the instruction here below.

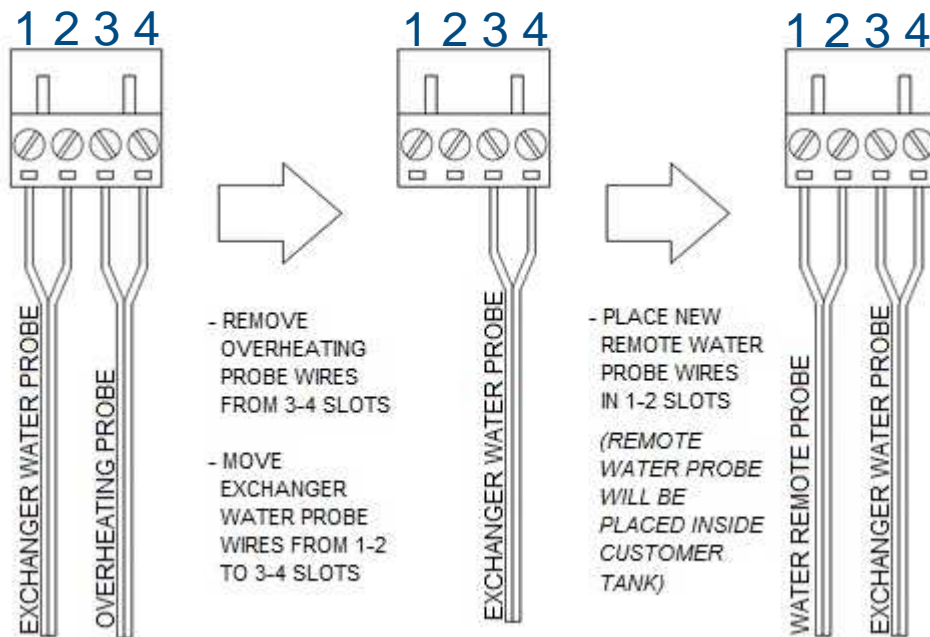


**DON'T FORGET TO MOVE EXISTING PROBE FROM 1-2 SLOTS TO 3-4 ONES.**

# STEP n. 8 B

## CASE B: Chiller had two probes: exchanger water probe and overheating probe

With a screw-driver, change the probe wires position to other two empty spaces in the small green connector. Then, connect the REMOTE PROBE EXTENSION KIT wire to the green connector. Please, see the picture here below:



**DON'T FORGET TO MOVE EXISTING PROBE FROM 1-2 SLOTS TO 3-4 ONES.**

# STEP n. 9



*Take the hot key and connect it in the thermostat.  
Connect the big green connector and the small green connector to the thermostat.*

# STEP n. 10

*Before connecting the chiller to power supply, here follows the explanation of how to program the thermostat with the hot key:*

- *The thermostat has to be turned OFF and the hot key connected.*
- *When you connect the chiller to the power supply, the hot key starts to re-program the thermostat and the display shows “dl”*
- *After 3 seconds, if the display shows “En”, the programming is done.*



# STEP n. 11

*Turn ON the chiller connecting the power cable to the power supply.*

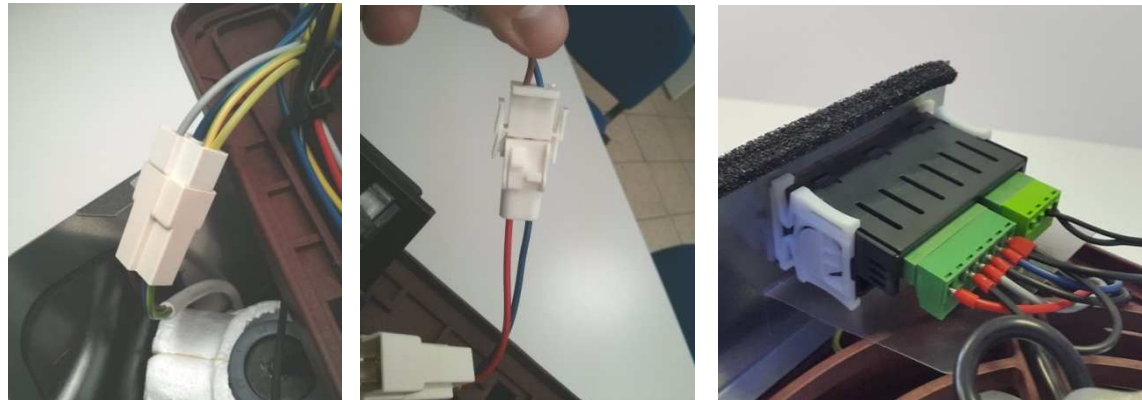
*Thermostat starts its re-programming.*

*When the display shows “En”, you can take out the HOT KEY and turn off the chiller disconnecting the power cable.*



# STEP n. 12

*Restore each connection in the fan support assembly*



# STEP n. 13



*Take the fan support Assembly.*

*Reconnect all connectors (compressor connector) and fix it at the chiller's body.*

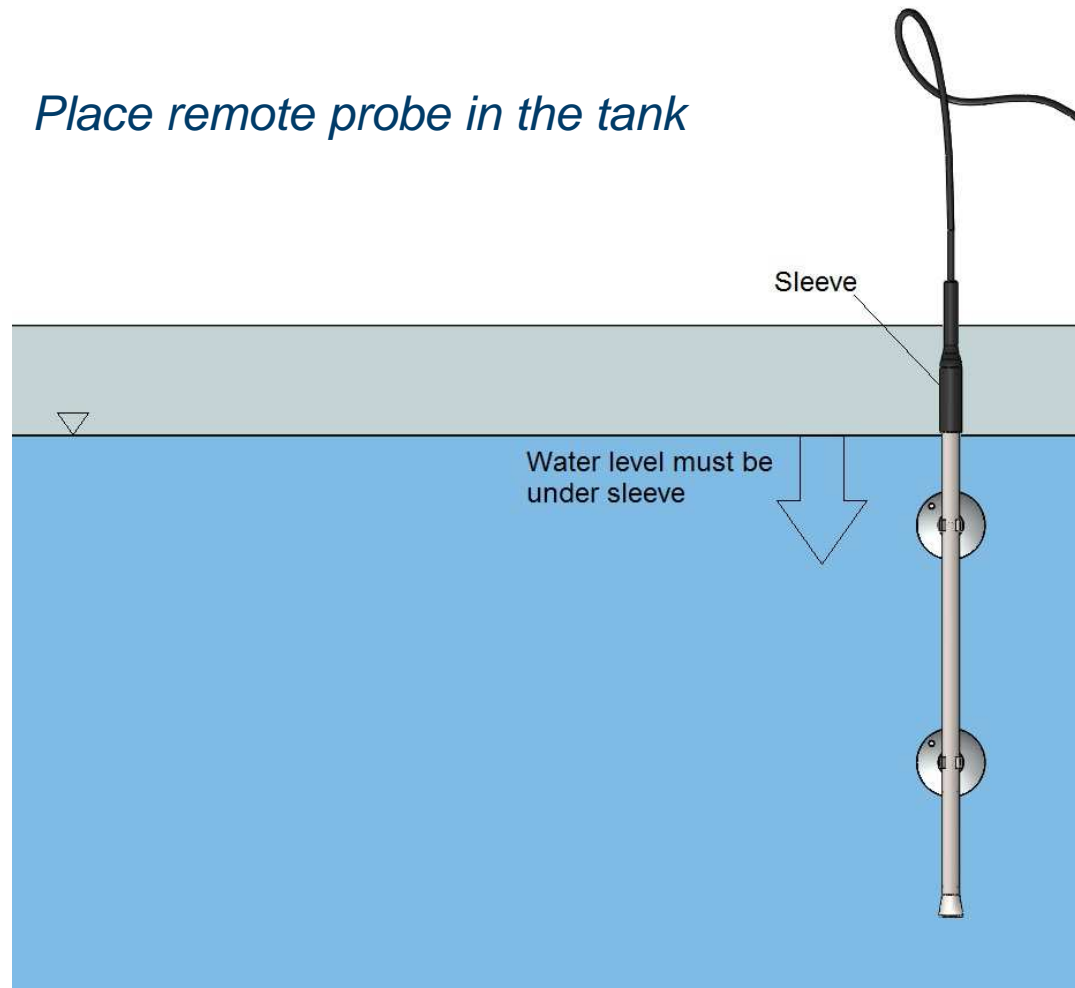
*Attention: the front panel side must be insert in the aluminum profiles!*

*Rebuild the top part of the chiller following the indicated sequence:*

- 1. 4 INOX screw (fix the fan support on the metal cover)*
- 2. Conveyor*
- 3. Air filter*
- 4. Air filter grid*

# STEP n. 14

*Place remote probe in the tank*



# STEP n. 15

*After installing the remote probe kit, message on display will have a different meaning, so consider the follow table instead of the error table of original Instruction manual.*

Display message	Causes	Remedies
P1	Remote water probe is damaged	-Contact TECO srl area retailer
P2	Exchanger water probe is damaged	-Contact TECO srl area retailer
HA	High water temperature in aquarium tank	-Check that the cooling function is activated -Check that there are no crimps in the pipes -Check the correct operation of the pump
HA2	High water temperature inside exchanger	-Contact TECO srl area retailer
LA	Low water temperature in aquarium tank	-Check that the heating function is activated -Check that there are no crimps in the pipes -Check the correct operation of the pump
LA2	Low water temperature inside exchanger	-Contact TECO srl area retailer