TrolMaster

OA6-110V
110V Control Board

For Aqua-X Irrigation Control System

Overview

Thank you for purchasing our OA6-110 110V Control Board.

A 110V Control Board is specially designed for Aqua-X Irrigation Control System. It features 6 individual 110V outputs for the pump control in the Aqua-X Control System. Water pumps are the basic components in automatic flow control in the irrigation system.

With the use of 110V Control Board(s), the Aqua-X Irrigation Control System could manage up to 30 individual 110V outputs (used to control water pumps) for multiple watering plans (by schedule or by recycle). With the massive control outputs, user could manage water delivery schedules easily for multiple nutrients, multiple rooms and multiple zones.

Features

- LED Power Indicator
- Addressing Button
- 6 Individually-Controlled 110V Outputs
- Individual LED Indicator for Each Output
- Double RJ12 Cable Sockets for Daisy Chain Connectivity

LED Power Indicator

Addressing Button

Output LED Indicator   110V Outputs

RJ12 Cable Sockets

Operation Instructions
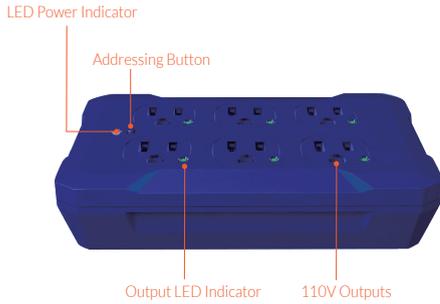
1. Connection to Aqua-X

Use a RJ12 Cable to connect the first 110V Control Board to the Aqua-X Controller. Plug the RJ12 cable connector into the 110V CONTROL port on the bottom of the Aqua-X Controller. Then plug the opposite RJ12 cable connector into the RJ12 cable socket on the either of the first 110V Control Board.

Use another RJ12 cable to connect the second 110V Control Board. Plug the RJ12 cable connector into the RJ12 cable socket on the adjacent side of the first 110V Control Board. Then plug the opposite RJ12 cable connector into the the RJ12 cable socket on the either of the second 110V Control Board.

Other 110V Control Boards can be connected in series as above processes. However, the total connection number should not exceed 5 if the 110V Control Boards were used alone.

110V Control Boards
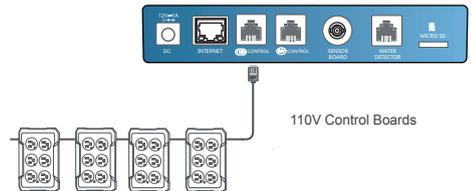
2. Address Assignment

When a 110V Control Board has been successfully connected the the Aqua-X Controller and powered on, the LED power indicator on the Control Board will keep flashing which means that the Control Board has not yet been assigned to the Aqua-X Controller.

110V Control Board   Aqua-X Controller

When the RJ12 cable is not correctly connected to the specific 110V CONTROL port or the 110V Control Board is not connected to the power supply or the 110V Control Board has not yet been assigned to the Aqua-X Controller, the LCD screen of the Aqua-X Controller will show "No 110V Board Online" on the setting page. Please make sure the RJ12 cable is correctly connected and power on the 110V Control Board. After power-on, the LED power indicator will keep flashing every second. Then press the ADDRESSING button on the 110V Control Board, the LCD screen of the Aqua-X Controller will display "110V Board A has been added". The first connected Control Board will be marked as "A", and the second one marked as "B", the third one as "C", and so on.

Aqua-X Controller   Aqua-X Controller

Unsuccessful Connection   Successful Connection

3. 110V Control Board Setting

On the SETTING page, press the ENTER button to enter the 110V Control Board list page. The connected Control Board(s) will be shown page to page. User can press RIGHT button to select the 110V Control Board (A, B, C…) for the setting change.

When the Control Board is selected, press ENTER button and the 1st output will be highlighted and blinking. Press LEFT, RIGHT, UP or DOWN button to select the output such as 110V A1. Press ENTER button to confirm and enter the SETTING page of that output.

SETTING Page   110V Control Board A

110V Control Board B   110V A1 Setting Page
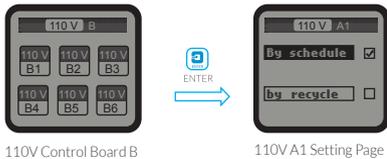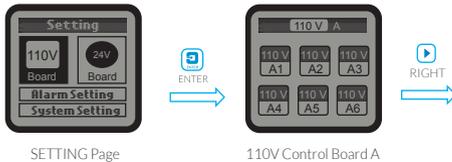
On the SETTING page of selected output such as 110V A1, press ENTER button and the tick icon on the "By schedule" will be highlighted and blinking. You can also press DOWN button to select "By recycle". Press the ENTER button to confirm and save the setting.

a. By schedule:

Once the "By schedule" setting is selected, user can press ENTER button to activate the setting for the 1 line of total 12 lines of schedules. The HOUR of "On at" time will be highlighted and blinking, which means that it's ready for change. User can press UP or DOWN button to change the HOUR. Press ENTER button and the MINUTE of "On at" will be highlighted and blinking, user can press UP or DOWN button to change the minute. Press ENTER button and the MINUTE of "Time" will be highlighted and blinking, user can press UP or DOWN button to change the minute. Press ENTER button and the SECOND will be highlighted and blinking, user can press UP or DOWN button to change the second. Press ENTER button and the tick symbol will be highlighted and blinking. Finally, press ENTER button to confirm and save the changes and the LCD screen will display "Setting saved".

Similarly, user can change the "On at" & "Time" for other schedules (up to 12 lines) as above processes.
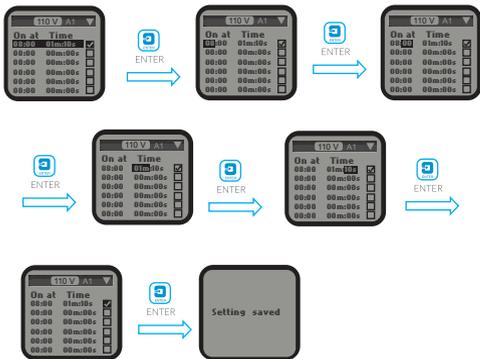
b. By recycle:

Once the "By recycle" setting is selected, user can press UP or DOWN button to select "Start", "On time", "Off time" & "Times" for change. Press ENTER button to activate the setting. For example, when "Start" selected, press ENTER button and the HOUR will be highlighted and blinking, user can press UP or DOWN button to change the hour. Press ENTER button and the MINUTE will be highlighted and blinking, press UP or DOWN button to change the minute. Finally, press ENTER button to confirm and save the change and the LCD screen will display "Setting saved".

Similarly, user can change the "On time", "Off time" and "Times" accordingly.

TrolMaster

Designed by TrolMaster in California

Assembled in China

For more information, please visit:

www.trolmaster.com