HONEST HT-2300SL Remote Wireless Water Level Automatic Control System Instruction Manual

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Contents

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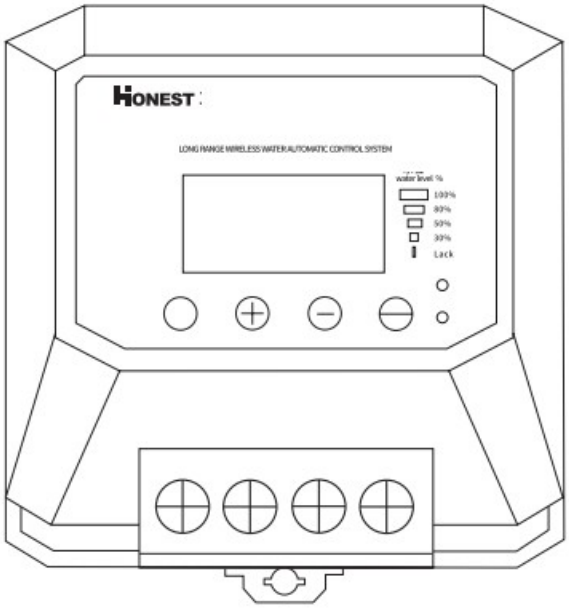


One: Product Composition Description

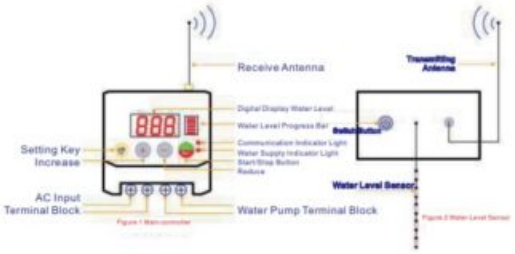


Figure 3 Transmitter

Two: Product function operation instructions

1. Automatic water filling function description: (water level display decimal point flashing state) When the transmitter detects that the water level is lower than the set minimum water level F.00, the controller starts to fill the water. When the water level is greater than the set maximum water level F.01, it stops filling the water.
2. Automatic water level setting:
   The default setting of F.00 minimum water level is [30]. The minimum water level can be adjusted by entering the menu and pressing the “+” and “_”keys.
   F.01 The maximum water level is set to [100] by default. You can adjust the maximum water level by entering the menu and pressing the “+””””keys.
3. Dry running protection function description:
   When in the timing mode or automatic water filling mode, and the water filling time exceeds the set dry- run protection time F.04, the water filling will stop at this time and the [Er. 1] flashing alarm will be displayed.
   When the [Er. 1] alarm time exceeds the set dry running recovery time F.02, the alarm will stop and continue to enter the current status mode. Or when the [Er. 1] flashing alarm appears, press the “Set” key to cancel the alarm and continue to enter the current status mode.
4. Dry running protection function setting:
   The default setting of F.05 dry rotation protection switch is [ON], and the default setting of F.04 rotation protection time is [15] minutes. You can adjust the time by entering the menu and pressing the “+” and “keys. The default setting of F.02 dry running recovery time is [60] minutes. You can adjust the time by entering the menu and pressing the “+” and “_” keys.

5. Timing water supply function description: When F.07 is turned on for the scheduled shutdown (the water level displays the decimal point in a flashing state) 1. When the water level is higher than the highest water level of F.01, the water supply will be stopped regularly at this time. When the water level is lower than the minimum water level of F.00, the water pump starts to fill the water. During the scheduled shutdown time F.03, the water level exceeds the set maximum water level F.01 value, and the water pump stops filling the water. If the set maximum water level F01 value is not exceeded within the scheduled time period, the water supply will stop and [Er.7] flashing alarm will be displayed. When an alarm occurs, press the “Set” button to turn off the alarm and re-enter the scheduled water filling mode.

   2. When filling water, press the “Start/Stop” button to stop filling the water (the decimal point stops flashing), and press “Start/Stop” again to restart the timing.
6. Timing water supply function setting:

   Set F.07 timer shutdown switch to [OFF] to turn on this function.

   Note: When F.07 is turned on, it enters the timing mode, and when it is turned off, it enters the automatic water filling mode.

   The default setting of F.03 scheduled shutdown time is [60] minutes. You can adjust the time by entering the menu and pressing the “+” and “_” keys.
7. Manual function water filling instructions:

   1. When the water level is not 100%, press the “Start/Stop” button regardless of whether it is currently in he water filling state: it will stop filling the water and at the same time suspend the current mode (enter the manual function, the decimal point is always on). Press the “Start/Stop” button again: start filling water and enter the current mode (continue to enter the timing mode or automatic mode with the decimal point flashing).

   2. When the water level is at 100%, press the “Start/Stop” button: stop filling the water, and at the same time pause the current mode (enter the manual function, the decimal point is always on) and press the “Start/Stop” button again: enter the current mode.

   (If you continue to enter the timing mode, the decimal point will flash in the automatic mode).
8. Communication protection function: After F08 is set to [ON] by default, 1. When the controller cannot receive the transmitter signal once within 10 minutes, it will display [Er.8] flashing alarm.

   2. When the water is being filled and the transmitter signal is not received even once in 10 minutes, the water filling will be stopped and [Er.8] flashing alarm will be displayed. Press the “Set” button to clear the alarm and return to the initial state.
9. Sensor error alarm: When there is a fault in the sensor sensing error [Er.2] flashes the alarm. You can press the “Set” button to clear the alarm and restore it to the initial state.
10. Battery low battery alarm: F.06 is to set the battery low voltage alarm switch. After F.06 is turned on, and the controller receives that the transmitter battery voltage is as low as the threshold voltage 2.7V twice in a row, the controller displays [Er.6] Flashes the alarm, press the “Set” key to cancel the alarm and return to the initial state.

Three: Function parameter sheet:

Function Code	Name	Setting Range	Factory Default	Unit
F.00	Lowest water level	0,30,50,80	30	%
F00,0.	Highest water level	30,50,80,100	100	%
F00,0.	Dry recovery time	0-999	60	Mins
F00,0.	Scheduled downtime	0-999	60	Mins
F00,0.	Dry running protection time	0-999	15	Mins
F00,0.	Dry running protection switch	OFF, ON	ON	/
F00,0.	Low battery warning switch	OFF, ON	ON	/
F00,0.	Timing shutdown switch	OFF, ON	OFF	/
F00,0.	Communication protection switch	OFF, ON	ON	/

Four: Fault code sheet:

Error Code	Fault Description	Troubleshooting
ER.1	The water filling time exceeds the set dry running protection tim e	1.Increase the dry running protection time 2.Check whether the waterpump is working properly 3.Is there water in the pipe?
ER.2	Water level sensor detection erro r	1.The sensor wire is damaged 2.Sensor damaged
ER.6	Transmitter battery low	Is the transmitter solar panel facing the sun?
ER.7	The timer water does not reach t he set maximum water level	1.Increase the scheduled water filling time 2.Check whether the water, is working properly 3.Is there water in the pipe?
ER.8	The transmitter and controller ha ve not communicated for more th an 10 minutes	1.Place the antenna as high as possible 2.Reduce obstructions between the antenna and the c ontroller

Five: Installation steps

1. Fix the transmitter solar panel to the water tower with the solar panel facing up, keeping the solar panel facing the sun;
2. Turn on the switch button and the transmitter starts working:
3. Place the water level sensor vertically in the water tower. If it is too long, it can be knotted to shorten the length;
4. From left to right are the input live wire and neutral wire; the output motor wire:

Six: Things to note

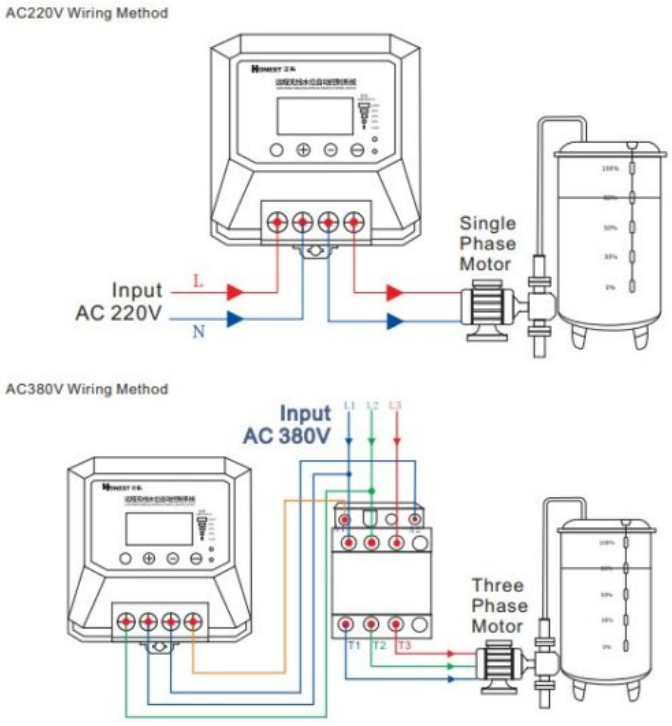
1. When installing the transmitter, the solar panel faces the sun to ensure direct sunlight:
2. Turn on the transmitter button switch when using it, and turn it off when not installing it.
3. The main controller is not waterproof, and water should be avoided from directly spraying onto the machine during installation and use;

4. The water level sensor line must be perpendicular to the inside of the bucket. The sensing line is too long and can be shortened by a knot in the middle. Do not pull hard;
5. During the installation process, do not use sharp objects to cut the outer skin of the water level sensor wire. Once the skin is broken, it will not be able to be used normally;
6. After the transmitter is installed, just straighten the antenna. Do not pull the antenna with force or lengthen the antenna at will;
7. It is necessary to install the main controller when the power is off, and the wiring sequence of the live and neutral wires should be distinguished.

Seven. Technical Parameters:

Working voltage: AC75V-400V	Working distance: 500m-3km (open area)
Control current: ≤40A	Working temperature: -20°C-70°C
Load power: ≤5KW	Product size: Controller 90x83x50mm
Communication method: LORA 433.92Mhz	Transmitter 98x47x68mm

Eight. Product Wiring Diagram:
AC220V Wiring Method



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Documents / Resources

	**HONEST HT-2300SL Remote Wireless Water Level Automatic Control System** [pdf] Instruction Manual HT-2300SL, HT-2300SL Remote Wireless Water Level Automatic Control System, Remote Wireless Water Level Automatic Control System, Wireless Water Level Automatic Control System, Water Level Automatic Control System, Automatic Control System, Control System, System

References

- **User Manual**