YOSHINE
Wenzhou Derrek Elec.Co.,Ltd

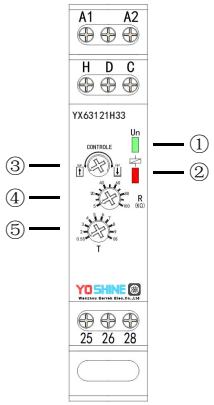
CB CE

Liquid Level Control Relay

YX6 Series Liquid Level Control Relays is a kind of switch that controls the height of the liquid level in the container. It uses the conductivity of the liquid to turn on or off the contact output when the liquid level reaches a certain height,and automatically monitor run or stop of the water pump to achieve the purpose of controlling the amount of liquid in the container.

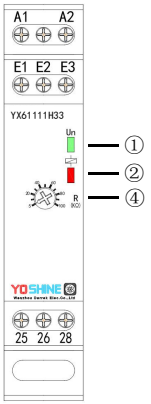
Application: It is generally used in homes,industries,commercial places,public places and other places where automatic monitoring of water supply and drainage systems is required.It has small size and complete specification.It can be widely used in domestic water systems sewage treatmentsystems,and specialliquidsupply systems.

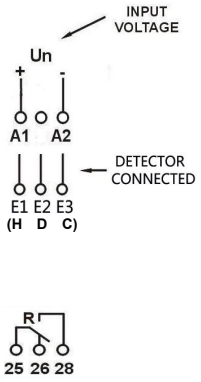
MODEL & EXPLANATION

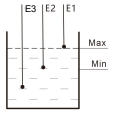
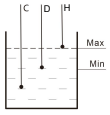
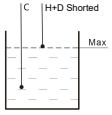


① Power Indicator
② Work Indicator
③ Function Selection
④ Sensitivity Setting
⑤ Delay Time Setting

WIRING DIAGRAMS





TYPE	TECHNICAL DATA	APPLICABLE ENVIRONMENT	SCHEMATIC DIAGRAM OF PROBE WIRING	
			YX61111***	YX63121H33
YX61111*** YX63121H33	Operating voltage: 24VDC 110VAC 220VAC 24-240VAC/DC Sensitivity Adjustable: 5K-200KΩ Delay Time Adjustable: 0.1-30S Output: 5A 240VAC	for domestic water systems, sewage treatment systems and special liquid supply systems.	Two-pole mode 	Two-pole Mode  **H & D shorted** One-pole Mode 
Unique monitoring features	1. In the Two-pole mode, if the high/low water level probe sequence is connected incorrectly, the product will also give a corresponding alarm, and the user needs to correct the wiring sequence of the probe in order for the product to work normally. **2. ***: Operating voltage** **220: AC220V D24: DC24V H33:AC/DC24-240V More...**			

If you experience problems, do not immediately return the unit to the store.
Email the Helpline: SUE@yaoxuele.com
Qualified Customer Support Coordinators will be to assist in resolving your query.

WENZHOU DERREK ELECTRIC CO.,LTD.
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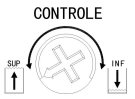
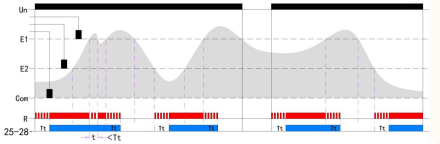
Http://www.relayfactory.net
Http://www.yaoxuele.com
Http://www.yoshine.vip

YX61111* **
YX63121H33

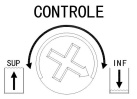


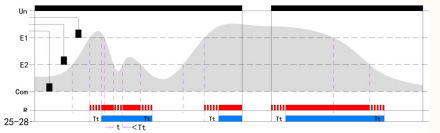


Two-pole water supply automatic control (with delay)

When liquid level is lower than **E2(D)**, the delay starts, the relay will be closed when the delay completes; When liquid level rises to **E1(H)**, the delay starts, the relay will be disconnected when the delay completes. Cycle as above.

YX63121H33

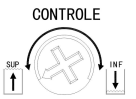


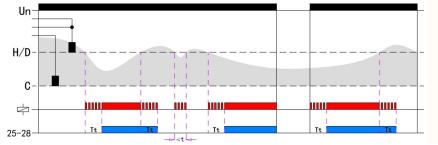


Two-pole drainage automatic control (with delay)

When liquid level is higher than **H(E1)**, the delay starts, the relay will be closed when the delay completes; When liquid level drops below **D(E2)**, the delay starts, the relay will be disconnected when the delay completes. Cycle as above.

YX63121H33

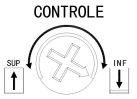


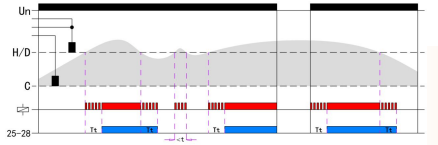


One-pole water supply control (with delay)

When liquid level is lower than **H/D**, the delay starts, the relay will be closed when the delay completes; when liquid level returns to **H/D**,the delay starts,the relay will be disconnected when the delay completes. Cycle as above.

YX63121H33





One-pole drainage control switch (with delay)

When liquid level is higher than **H/D**, the delay starts, the relay will be closed when the delay completes; When liquid level is lower than **H/D**, the delay starts, the relay will be disconnected when the delay completes. Cycle as above.

Note Explanation
In the delay range, when the state between the liquid level and the electrode changes (liquid level fluctuation), the delay is cleared to zero, and the output is not switched.

HINTS ON CORRECT USE

Prior to power application,check the following

- Be sure to use the float less level switch for the correct applications at the correct supply volt-age.
- Check the wiring against the circuit diagram provided in this instruction manual.
- Be sure to ground the ground terminal.
- Check whether the electrodes contact each other in the liquid. If they do,separate the musing a separator optionally available.
- Avoid placing the connection of the electrodes where liquids other than that to be sensed such as rainwater, exist.
- Adequately tighten the nuts of the electrodes.
- Prevent any foreign objects from collecting on the electrodes.
- The level switch cannot be used to sense substances with high specific resistance such as oil.