

IOT-30A1 Outdoor Stainless Steel Intelligent Single Pump Controller

Applications: water supply for residential, agricultural, industrial and commercial purposes, as well as underground drainage and deep well pumping.



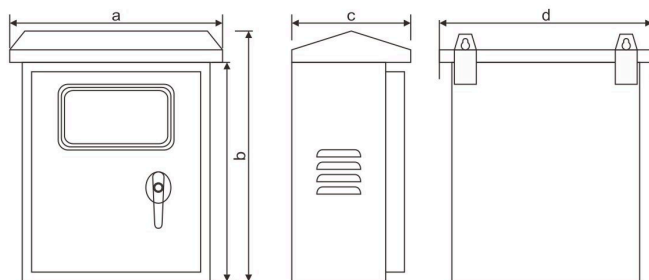
Product Description

A series outdoor rainproof stainless steel pump controller adopts the original imported microcomputer single chip technology which guarantees powerful functions, and has the advantage as easy and convenient intallation and operation. Unique non-contact induction technology enables no need of probes to achieve shutdown protection when the pump is running dry due to lack of water, thus realizing fully intelligent and unmanned operation. It is a device designed to control and protect the operation of various water pumps up to 30KW,such as submersible pump, centrifugal pump, multistage pump, deep-well pump, sewage pump, booster pump, pipeline pump, ground pump and etc.

Main Parameters

- 1, Rated voltage: AC380V+10% or AC220V+10% (50Hz-60Hz)
- 2, Rated power: 0.75KW-30KW
- 3, Static consumption power: <3W
- 4, Water level: High/Middle/Low
- 5, Water tank: upper tank for water supply, lower tank for drainage
- 6, Max. control distance: ≤2000m without strong electric and electromagnetic fields
- 7, Time setting ON: 0-99hours
- 8, Time setting OFF: 0-999 minutes
- 9, Over-voltage/under-voltage: default AC304V-456V or AC176V-264V (adjustable)
- 10, Over-voltage/under-voltage trip time: ≤3 seconds
- 11, Overload/no load trip time: 0-600 seconds(adjustable)
- 12, Phase loss trip time: <2 seconds
- 13, IP rating: IP54

External dimensions



Power	Size	a(mm)	b(mm)	c(mm)	d(mm)
0.75-15KW		340	405	210	340
18.5-30KW		390	458	210	390

Multiple Protections

- 1, dry run alarm and protection
- 2, overload alarm and protection
- 3, no load alarm and protection
- 4, water shortage alarm and protection
- 5, over-voltage alarm and protection
- 6, under-voltage alarm and protection
- 7, pump stalled alarm and protection
- 8, anti-seizing alarm and protection
- 9, short circuit alarm and protection
- 10, phase loss alarm and protection

Main Functions

- 1, Water level control: level probes or float switch
- 2, Pressure control: electric contact pressure gauge or pressure switch
- 3, User interface: a user-friendly interface for configuring settings, monitoring operation, and accessing diagnostic information.
- 4, Operation mode: automatic/manual starts and stops
- 5, Fault indication: failure record, latest 10 pump failure reasons display, audio/light alarms.
- 6, Anti-rust protection, long-term non-use of the pump, 15 days to start once for 3 seconds.
- 7, Setting protection current for motor overload/no-load, no-load delay restart time adjustable.
- 8, Automatic restart when voltage comes to normal rating after over-voltage/under-voltage protection.
- 9, Automatic restart after power failure recovery.
- 10, Automatic re-starting pump from dry running, restart time range 0-720 minutes adjustable.
- 11, Restore factory setting: press both "Overload" and "NO-Load" for 3 seconds.

Models and Specifications

Model	Phase	Power
IOT-30A1-4/380V	3-Phase	0.75-4KW
IOT-30A1-7.5/380V	3-Phase	1.1-7.5KW
IOT-30A1-11/380V	3-Phase	1.1-11KW
IOT-30A1-15/380V	3-Phase	2.2-15KW
IOT-30A1-18.5/380V	3-Phase	3-18.5KW
IOT-30A1-22/380V	3-Phase	4-22KW
IOT-30A1-30/380V	3-Phase	5-30KW
IOT-30A1-4/220V	1/3-Phase	0.75-4KW
IOT-30A1-7.5/220V	1/3-Phase	1.1-7.5KW
IOT-30A1-11/220V	1/3-Phase	1.1-11KW