

M M ABS Plastic Intelligent Single Pump Controller



M ABS Plastic Intelligent Single Pump Controller

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



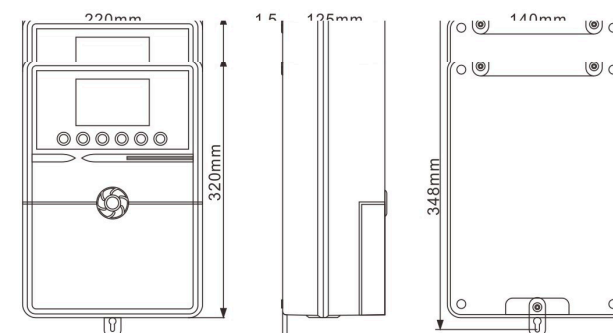
Product Description

M LCD display pump controller for single pump adopts the original imported microcomputer single chip technology which guarantees powerful functions, and has the advantage as easy and convenient installation 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 22KW, 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-22KW
- 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

Installation dimensions



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
M-4.0	3-Phase	0.75-4KW
M-7.5	3-Phase	1.1-7.5KW
M-15	3-Phase	2.2-15KW

IOT-W Intelligent Single Pump Controller



IOT-W Intelligent Single Pump Controller

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



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
- 11, phase unbalance alarm and protection
- 12, phase resersal alarm and protection

Main Functions

- 1, Push button to switch between pressure control and level control
- 2, Water level control: level probes or float switch
- 3, Pressure control: electric contact pressure gauge or pressure switch
- 4, Overflow alarm duration time setting 0-99 seconds
- 5, Adjustable phase unbalance
- 6, Rated power setting in Amperes
- 7, Accumulative pump run time check
- 8, User interface: a user-friendly interface for configuring settings, monitoring operation, and accessing diagnostic information.
- 9, Operation mode: automatic/manual starts and stops
- 10, Fault indication: failure record, latest 10 pump failure reasons display, audio/light alarms.
- 11, Anti-rust protection time setting: 0-240 hours (adjustable), once for 2 seconds, long-term non-use of the pump.
- 12, Automatic restart pump from overcurrent, retard time setting: 0-10 minutes.
- 13, Automatic restart when voltage comes to normal rating after over-voltage/under-voltage protection, restart time setting: 0-999 seconds (adjustable)
- 14, Automatic restart after power failure recovery.
- 15, Automatic restart from phase loss 0-99 minutes (adjustable).
- 16, Automatic re-starting pump from dry running, restart time range 0-720 minutes adjustable.
- 17, Restore factory setting: press both "Overload" and "NO-Load" for 3 seconds.
- 18, RS-485 communication

Models and Specifications

Model	Phase	Power
IOT-W7.5	3-Phase	1.1-7.5KW
IOT-W15	3-Phase	2.2-15KW

Product Description

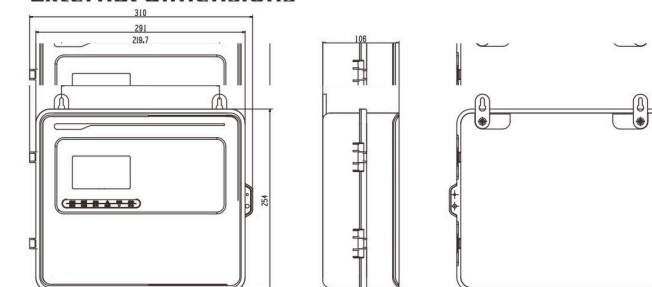
IOT-W LCD display pump controller for single pump adopts the original imported microcomputer single chip technology which guarantees powerful functions, and has the advantage as easy and convenient intallation and operation. Unique non-contact induction technology enables no need of probes to achieve 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, Overcurrent (overload) protection ratio: 135%
- 4, Dry run (no load) protection ratio: 70%
- 5, Pump stalled protection ratio: 170%
- 6, Static consumption power: <3W
- 7, Water level: High/Middle/Low
- 8, Max. control distance: ≤2000m without strong electric and electromagnetic fields
- 9, Time setting ON: clock time in hours and minutes
- 10, Time setting OFF: clock time in hours and minutes
- 11, On delay time setting: 0-60.0 seconds
- 12, OFF delay time setting: 0-60.0 seconds
- 13, Over-voltage/under-voltage: default AC176V-264V (adjustable)
- 14, Over-voltage/under-voltage trip time: ≤3 seconds
- 15, Overload/no load trip time: 0-600 seconds (ajustable)
- 16, Phase loss trip time: <2 seconds
- 17, Screen backlight time setting: 0-999 minutes"

External dimensions

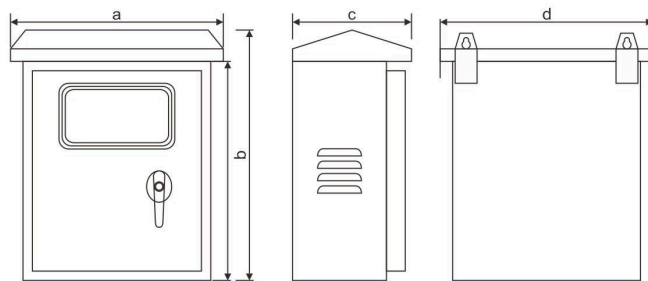




Main Parameters

- 1, Rated voltage: AC380V+10% or AC220V+10% (50Hz-60Hz)
- 2, Rated power: 0.75KW-22KW
- 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: 0-991 minutes
- 8, Time setting OFF: 0-999 minutes
- 9, Dual pump alternation time setting: 0-720 minutes
- 10, Over-voltage/under-voltage: default AC304V-456V or AC176V-264V (adjustable)
- 11, Over-voltage/under-voltage trip time: ≤3 seconds
- 12, Overload/no load trip time: 0-600 seconds (adjustable)
- 13, Phase loss trip time: <2 seconds
- 14, IP rating: IP54

External dimensions



Power \ Size	a(mm)	b(mm)	c(mm)	d(mm)
0.75-15KW	340	405	210	340
18.5-22KW	540	610	230	540

IOT-30A2 Outdoor Stainless Steel Intelligent Duplex Pump Controller

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



Multiple security protection



Electric contact pressure gauge



Timing start and stop



Pulse electrode probe



Floating ball control

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

Models and Specifications

Model	Phase	Power
IOT-30A2-4/380V	3-Phase	0.75-4KW
IOT-30A2-7.5/380V	3-Phase	1.1-7.5KW
IOT-30A2-11/380V	3-Phase	1.1-11KW
IOT-30A2-15/380V	3-Phase	2.2-15KW
IOT-30A2-18.5/380V	3-Phase	3-18.5KW
IOT-30A2-22/380V	3-Phase	4-22KW
IOT-30A2-4/220V	1/3-Phase	0.75-4KW
IOT-30A2-7.5/220V	1/3-Phase	1.1-7.5KW
IOT-30A2-11/220V	1/3-Phase	1.1-11KW

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.



Multiple security protection



Electric contact pressure gauge



Timing start and stop



Pulse electrode probe



Floating ball control

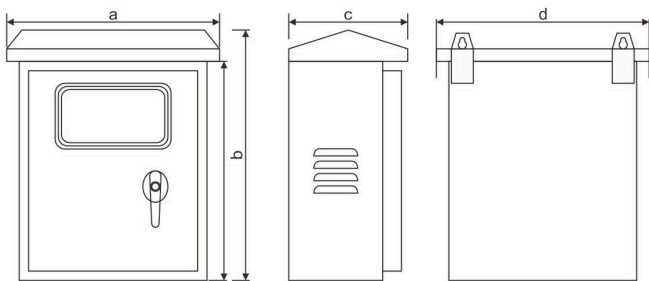
Product Description

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 installation 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: 0-99 hours
- 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