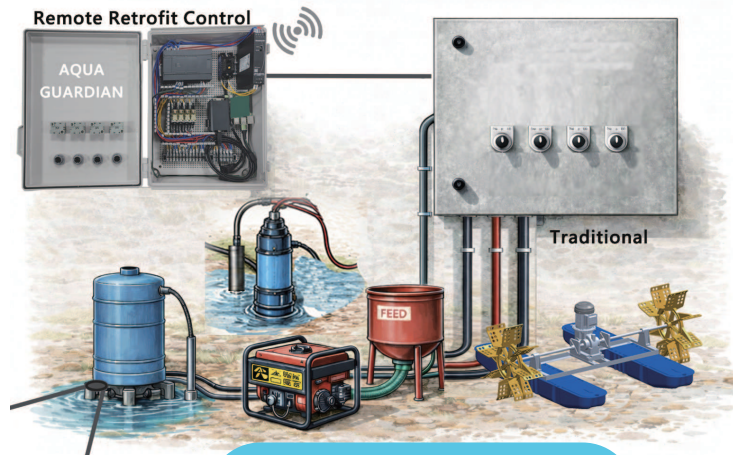




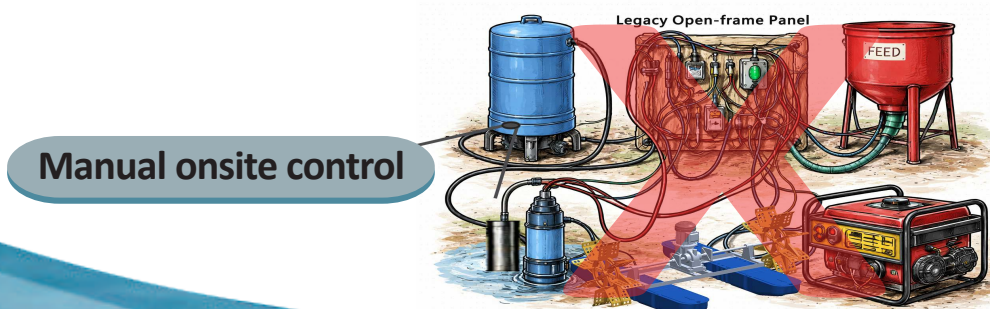
IOT SMART ELECTRIC BOX 水智寶[®]



Full replacement of old control panel



Integration with existing wiring system



Manual onsite control

Legacy wiring system

Category	Full Integrated Remote Control Panel	Remote Retrofit Monitoring Module
System Type	Complete standalone	Add-on remote upgrade module for existing panel
Installation Requirement	Replaces existing control system	Requires existing control panel
Power Monitoring	Detects power outage, voltage drop, short circuit, phase loss, and faults	Detects power outage and general faults only
Communication Monitoring	Detects communication loss and sends alerts	Detects communication loss and sends alerts
Alarm Notification	Real-time alarm notification to users for immediate corrective action	Basic alarm notification
Motor / Load Control	Direct control of motors and electrical loads (Aerator, feeding System, generator, Under Water Camera ,etc.)	Remote triggering of existing panel control circuit
Variable Frequency Drive (VFD) Option	Optional VFD integration for automatic speed control based on preset thresholds	
Automatic Speed Regulation (VFD) Option	Automatically adjusts waterwheel speed according to configured thresholds	



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AQUACULTURE INTEGRATED REMOTE CONTROL SYSTEM

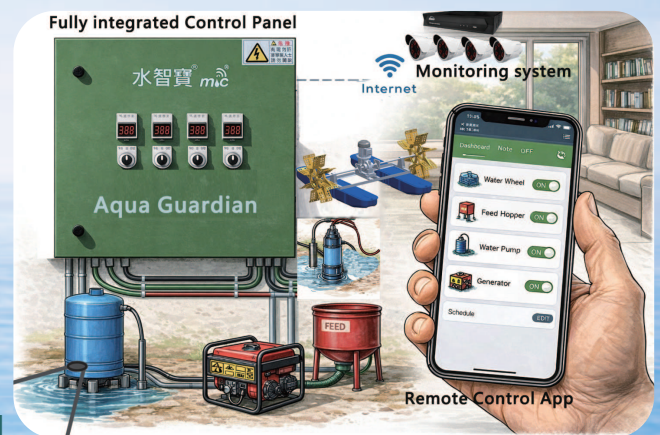


IoT Smart Remote Control Electrical Box

The Smart Remote Control Electrical Box is an IoT-enabled power management and remote control system designed specifically for fisheries and aquaculture farms. Fishermen can remotely control and monitor water pumps, aerators, lighting systems, and other aquaculture electrical equipment via a mobile app or cloud platform.

With built-in wireless communication (WiFi / optional 4G), the system provides real-time equipment status and power monitoring, and sends instant alerts for abnormal events such as power failure, phase loss, or network disconnection. Its waterproof and durable enclosure ensures stable operation in outdoor and wet environments, helping fishermen reduce manual inspections, improve operational efficiency, and achieve smart farm management.

The system also supports flexible expansion and integration with existing electrical infrastructure, allowing aquaculture farms to gradually upgrade to a smart IoT management platform. As the farm grows, additional control points and functions can be added, ensuring long-term investment value and smooth system upgrades.



IoT REMOTE CONTROL SPECIFICATION

IoT Smart Remote Control Electrical Box	
Control Function	Remote Power ON/OFF control for electrical equipment
Control Method	Mobile APP / Cloud Platform
Communication	WiFi / 4G (Optional)
Cloud Platform	MIC Cloud
Mobile APP	Android / iOS
Real-time Monitoring	Equipment status monitoring
Alarm Notification	Power outage / Phase loss / Network disconnection (LINE notification)
Scheduling Control	Timer ON/OFF setting
Control Channels	3-channel / 4-channel (customizable)
Integration	Compatible with temperature, humidity, CO ₂ , ammonia sensors
Enclosure Type	Waterproof industrial enclosure
Enclosure Material	ABS (Indoor) / Stainless Steel (Outdoor option)
Installation	Indoor / Outdoor
Box Dimension	320 * 410 * 130 mm
Weight	4.5 kg
Application Scenarios	Aerator, Feeder, Pump, Lighting, Sprayer control
Operating Environment	Farm, Greenhouse, Pond, Livestock house