

Monitoring and Control Unit

Wings Pumps "WG-MCU-R1" is a top-of-the-line pump monitoring and control unit. It features real-time monitoring, automatic control, fault detection and an intuitive interface for easy use. Ideal for both industrial and commercial applications, it ensures efficient and reliable pump operations.



FEATURES AND BENEFITS

Wings Pumps "WG-MCU-R1" model is a state-of-the-art solution for monitoring and controlling water pumps. Its user-friendly interface, customizable features, and compatibility with a wide range of pumps make it a top choice for those in need of a reliable and efficient system. The WG-MCU-R1 model's high reliability and reduced maintenance costs make it a cost-effective investment for modern and cutting-edge water pump management.

Simple and easy

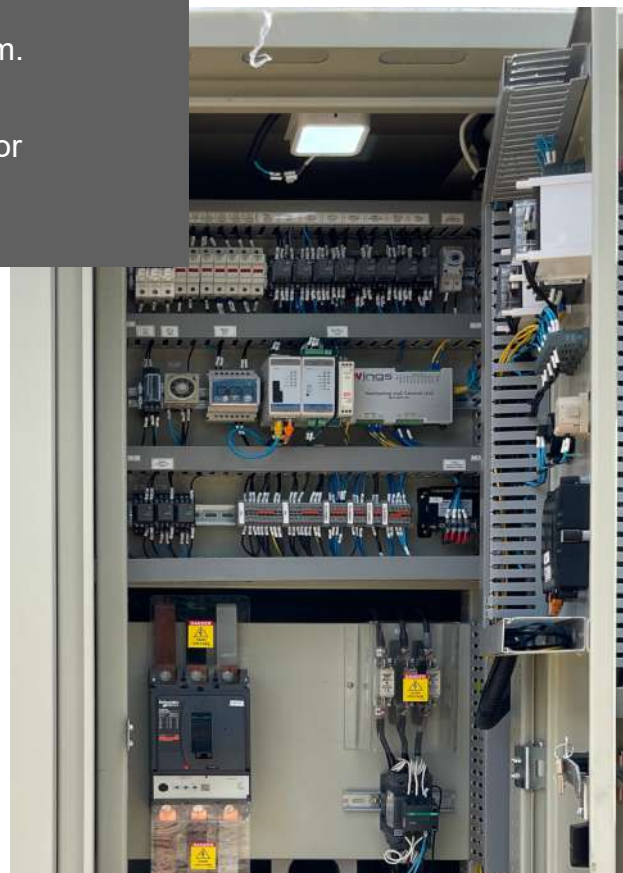
"WG-MCU-R1" system offers a simple and intuitive user interface, allowing users to monitor and control their pumps with ease. The real-time monitoring and remote control features enable users to quickly detect and resolve issues, reducing downtime and increasing overall efficiency.

Compatibility with wide range of pumps

"WG-MCU-R1" system is designed to be flexible and compatible with a wide range of pumps, including those with different types, capacities, and sizes.

Less time and save costs

The cloud data logging feature of "WG-MCU-R1" helps reduce maintenance costs by analyzing historical data, allowing you to proactively address issues, improve efficiency, and extend the lifespan of your pumps.



APPLICATIONS

Wings Pumps "WG-MCU-R1" monitoring and control unit can be used in a variety of applications, such as pumping stations, water gates, and environmental monitoring. These applications take advantage of the unit's ability to monitor and control various systems and devices, improving efficiency, safety, and comfort.

Irrigation system control:

- **"Pumping stations"** : To monitor and control the water flow rate, pressure and power consumption.
- **"Water gates"** : To control water gates and monitor the water level in river basins to prevent flooding.

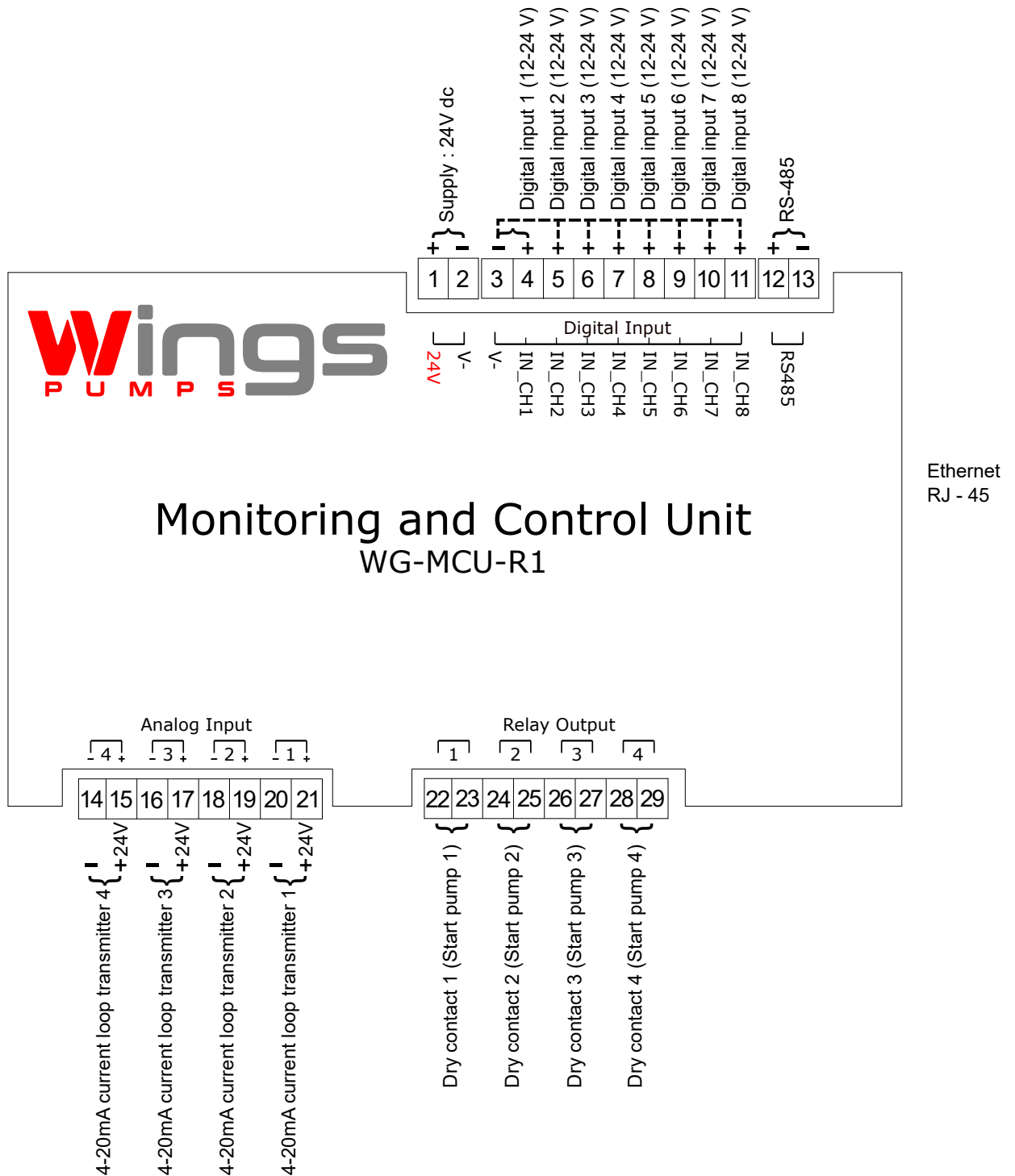
Environmental monitoring system:

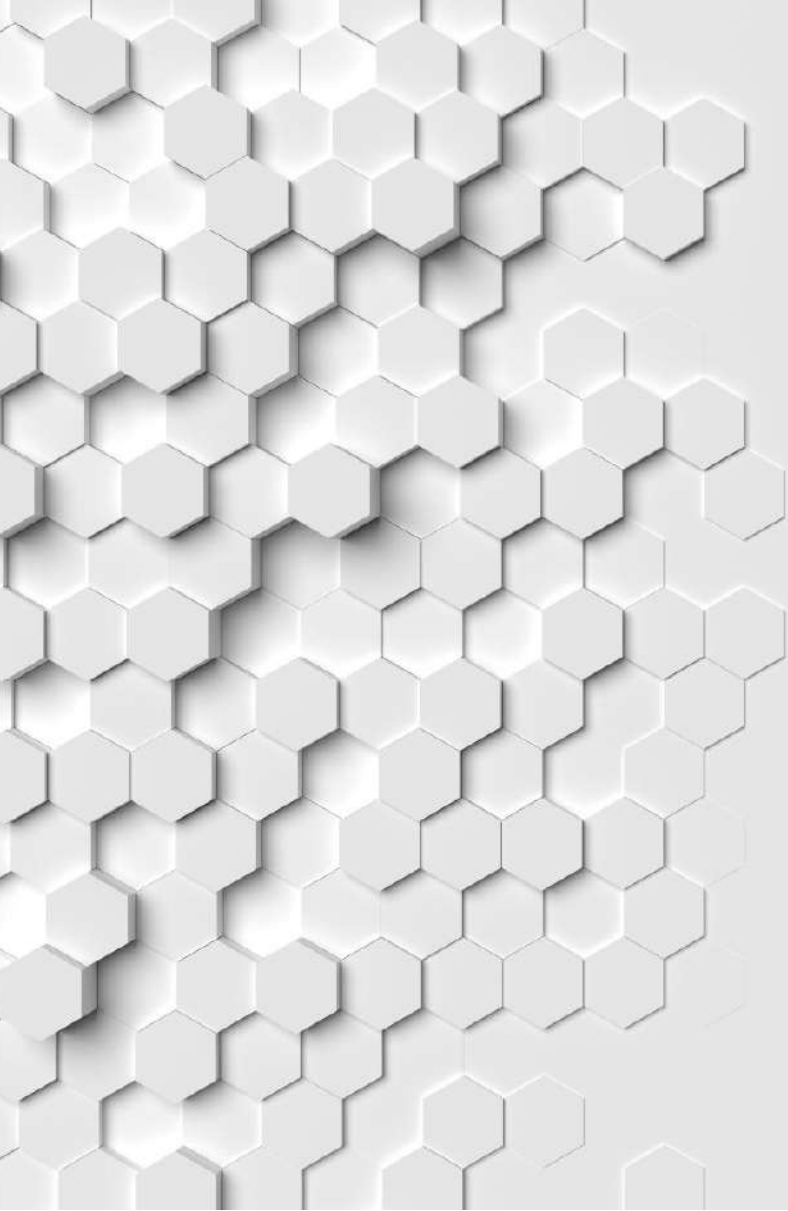
To monitor temperature, humidity, air quality, and other factors, helping to maintain optimal conditions.



Specifications:	
Computer languages:	<ul style="list-style-type: none"> · Python · Node-RED · Other programmable computer languages may also be supported
Cloud server:	<ul style="list-style-type: none"> · Support for integration with cloud servers for data logging
Automation:	<ul style="list-style-type: none"> · Support for automation of pump monitoring and control tasks
SD card:	<ul style="list-style-type: none"> · Support for SD cards up to 128 GB
Connectivity:	<ul style="list-style-type: none"> · WiFi: Support for WiFi connectivity · LAN: 10/100 Base-T Ethernet Port for wired connectivity · MODBUS TCP/RTU: Support for MODBUS TCP/RTU protocol for industrial automation systems · USB: 1 USB port for connectivity with other devices · RS485: 1 RS485 port for connectivity with other devices
Inputs:	<ul style="list-style-type: none"> · Digital Input : 8 digital input lines with voltage range of 0-24V · Current loop Input: 4 4-20mA current loop inputs
Outputs:	<ul style="list-style-type: none"> · Output: 4 dry contact relay outputs for controlling pumps or other equipment
Power supply:	<ul style="list-style-type: none"> · 24 VDC power supply

Base unit wiring diagram





Wings

PUMPS



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