



KS200G&F IoT irrigation controllers เครื่องควบคุมการให้น้ำอัตโนมัติ



- High-reliability smart motor valves with sensor for open and closed position – unlike solenoids the valves do not draw power after actuation, are more reliable and automatically close during a power outage
- Available in sizes ranging from 1/4" to 5"
- Brass, UPVC or SS304 models available
- Magnetic contactors support pumps up to 20kW with standard models supporting 4kW (5.32hp)
- Integrated WiFi SoC (NodeMCU v3) pre-flashed with Tasmota for integration with Home Assistant
- Li-Ion battery backup or power path selector for external 12VDC backup power
- MQTT protocol compliant
- Modular, serviceable, repairable design with separate MCU module and professional motherboard
- Free and subscription based cloud services available for project customers



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Karrot Sensor KS200G&F series IoT irrigation controllers

The KS200G and F series features easy to use smart valve and pump controllers in an IP54 rated enclosure ready for standard outdoor deployment with operating temperature range of max. 65°C. Irrigation controllers are one of the main building blocks for any smart farming system.

Specification

Channel configurations:

Flow rate

Standard: 1, 2, 4, 8, 16

Maximum No. of channels: 32

Smart valves:

Temperature range 0.5-65°C

Operating relative humidity range 0 - 100 %RH

Actuation time 3-15s

No. of position sensors: 2 (open / closed)

Valve rating: IP 65

Voltages: 5, VDC, 12VDC, 24VDC, 220VAC

Contactors & relays:

All major brands, voltages and ampacities are supported.

WiFi:

802.11n, 2.4 GHz

Power:

Model KS200G/F-Li:

220VAC input / 5VDC output power supply 2,000mA included in the package

Rechargeable Li-Ion battery type 18650 (2,200mAh)

Model KS200G/F-PP:

12VDC dual fault-tolerant power input as used for centralized DC power backup and solar.

Warranty:

1 year.

Custom builds using supported accessory options (over 200 variations available) are available on special order. Please contact sales@allit.info for further information.

