

Esis Heavy Rainfall Warning System



The RK400-01 Tipping Bucket Rainfall Sensor is an instrument for testing rainfall in the nature. In order to meet the requirement of information transmission, processing, recording and display, the amount of rainfall is converted to pulse output. It can be widely used in weather stations, hydrometric stations, agriculture & forestry, defence & field monitoring stations. It can provide the original data for flood-prevention, water-supply system, and reservoir water management in plant.

The 'FlexiPanels® FP2-V2 Series' Controller monitors the rainfall and operates an alarm relay when a programmable amount of rain falls within a programmable period of time. The relay is released after a second programmable period of time has elapsed. This second period of time may be extended, if desired, by further rainfall. The operator may also program the amount of this additional rain, and the extended time period. A SPDT 1 Amp relay provides voltage free contacts to operate external equipment. An external heavy-duty relay or contactor is required to control a pump motor.

Features:

- Includes RK400-01 Tipping Bucket Rainfall Sensor, FlexiPanels® FP2-V2 Series controller unit and 12V mains adaptor
- Adjustable rainfall rates & delays
- Low power consumption
- 1A NO/NC voltage free contacts
- Optional flashing beacon and/or piezo alarm
- Powder coated aluminium case

Specifications:

Item	Specification
Rainfall collector	Diameter : \varnothing 200mm, height: 350mm
Measured rainfall intensity	Max: 4mm/min
Allow rainfall intensity	Max: 10mm/min
Resolution	0.1mm, 0.2mm
Accuracy(2mm/min)	\pm 4%
Maximum load voltage	30VDC(pulse output)
Maximum load current	20mA(pulse output)
Output	Reed switch pulses,RS485(12-24VDC supply)
Operating temperature(no freeze)	-20-+80°C
Main material	Collector:304SS,tipping bucket:ABS
Tipping bucket	Single
Heating(optional)	Heating power: approx.350W Heating voltage:220VAC
Collector filter	Removable filter (prevent leaves and sundries)optional
Weight(unpacked)	3.5kg



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