

# SITEMASTER

## 2-WIRE DECODER CONTROLLER



Perfect for use on large commercial, industrial and residential sites, SiteMaster controls up to 99 zones. User-friendly, this innovative controller offers advanced diagnostics along with easy setup and operation.

Along with the ability to run up to 99 zones, the SiteMaster has an extra large 5" X 3" display screen with a full keyboard for easy naming and displays watering days, number of start times, number of stations and specialized programming.



The two transformer design, along with separate, dedicated lines and advanced on-board diagnostic tools, makes troubleshooting your system both easy and accurate.

### Diagnostic Tools

- **General Log Screen** – Captures all data sent and received by the controller.
- **Fault Log Screen** – Specific to faults that have occurred. It is also interactive. Issues can be marked as FIXED as they are resolved.
- **The Decoder Status Check Screen** – Can be run at any time. Shows the line each decoder is on, the Outgoing Signal Strength (OSS) and the Incoming Signal Strength (ISS).
- **Easy Programming Interface Dial**

Also available in stainless steel pedestal or stainless steel cabinet.



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## Features and Benefits

- **Patented largest full program display screen** – One screen shows watering days, number of start times and special features such as seasonal adjust, zone grouping and restore program.
- **Flow sensor and weather station capable** – Connect up to two hard wired flow meters and three additional meters attached to decoders out in the field. K-Rain® Weather Station connects directly to the controller and has the ability to modify run times.
- **Advanced diagnostics** – Provides an interactive fault log to track completed repairs. The display shows on which line a fault occurred as well as the outgoing and incoming signal strength to each decoder to better locate a problem. Ability to display real-time current draw on the main screen at all times.
- **Full keyboard** – Makes naming zones, programs and overall programming simple and intuitive.
- **Self-regulating decoders** – The decoder will regulate the voltage sent to the coil to minimize the current drawn by each coil – making it more efficient and able to open more solenoids than traditional systems.
- **Station delay/overlap and pump pressurization** – Permits additional time or dual operation for issues like: well recovery, slow closing valves and water hammer, as well as the ability to set a pump pressurization time for each of 5 separate pump start locations.
- **Dual transformer design** – Time spent programming an entire system is safe and secure. Separates the midbox and your program from the 2-wire lines.
- **Independent wire paths** – Two completely separate wire paths (2 routes per line or 4 total) allows you to easily eliminate half the system from your troubleshooting. It also means that if there is an issue, half of the system will still be able to function.
- **2-wire path uses standard AC** – Helps reduce corrosion and reduces limitations on cable topology. Diagnosis can be done with a standard voltmeter.

## Accessories

<b>3401</b>	SiteMaster, Single Station Decoder
<b>3402</b>	SiteMaster, Surge Protector
<b>3403</b>	SiteMaster, 2-Wire Module
<b>3404</b>	SiteMaster, Network Module
<b>3410</b>	Optical Pump Start Relay
<b>3414</b>	Pro Weather Station
<b>FS735-10</b>	1" Complete Flow Sensor Assembly
<b>FS228-15</b>	1-1/2" Complete Flow Sensor Assembly
<b>FS228-20</b>	2" Complete Flow Sensor Assembly
<b>FS228-30</b>	3" Complete Flow Sensor Assembly
<b>FS228-40</b>	4" Complete Flow Sensor Assembly



**SINGLE STATION DECODER**



**SURGE PROTECTOR**



**PRO WEATHER STATION**



**FLOW SENSOR**

## Specifications

### OPERATING SPECIFICATIONS

- Station Run Times: 1 second to 9:59:59 Programs A, B, C, D, E, & F
- Start Times: 6 per program
- Watering Schedule: 7 Day Calendar (any day of the week), odd or even days, interval watering up to 31 days
- Operating Temperature: 0°–140°F (18°–60° C)
- Zone Capacity: 99, Zone groups limited to 6 zones and 1 MV/PS per primary line (A and B total)
- Pump Start requirements: Pump start relays on the 2-wire path require the K-Rain Optical pump start relay. Pump starts wired directly to the controller require K-Rain 1520 or 1510 mini coil power relay.

### ELECTRICAL SPECIFICATIONS

- 2-Wire transformer; Input: 120/240 50/60 Hz Max Output: 27 VAC 100VA 3.7 AMP
- Midbox Transformer; Input: 120/240 50/60 Hz Max Output: 24 VAC 40VA 1.71 AMP
- Battery: 2032 Coin Cell (included) 9V alkaline battery (optional, not included)
- For PERMANENTLY CONNECTED EQUIPMENT, a readily accessible disconnect device shall be incorporated external to the equipment.

### DIMENSIONS

- Height: 11.91" (30,25 cm)
- Width: 15.45" (39,24 cm)
- Depth: 6.43" (16.33 cm)

## Models

<b>3400</b>	SiteMaster, 110 VAC 2-Wire Decoder Controller*
<b>3400-220</b>	SiteMaster, 220 VAC 2-Wire Decoder Controller*
<b>3420</b>	SiteMaster, 110 VAC 2-Wire Decoder Controller, in Stainless Steel Cabinet*
<b>3420-220</b>	SiteMaster, 220 VAC 2-Wire Decoder Controller, in Stainless Steel Cabinet*
<b>3421</b>	SiteMaster, 110 VAC 2-Wire Decoder Controller on Stainless Steel Pedestal*
<b>3421-220</b>	SiteMaster, 220 VAC 2-Wire Decoder Controller, on Stainless Steel Pedestal*

\*Model includes 3403 2-wire module

