

HYBRID

SMART DIAL™ SERIES

ET-BASED CONTROLLERS



New  
24 Station  
Controller

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The Smart Dial controller saves water and reduces irrigation runoff by employing an advanced technology to automatically reprogram itself based on daily weather patterns and local Evapotranspiration (ET). Using the ET Everywhere™ Data Service, the Smart Dial controller receives a paging signal with the local ET value from an orbiting satellite each evening. Then, through its internal WeatherTRAK™ scheduling engine, the controller adjusts its irrigation programming to replace the amount of water lost through the previous day's ET. Plus, with per-station programming, Smart Dial adjusts each zone to apply only the water needed, regardless of whether sprayheads, rotors, stream rotors or drip components are used in the zone.

The power of ET Everywhere, combined with the WeatherTRAK scheduling engine, puts the Smart Dial controller on the cutting edge of environmental sensitivity and water savings. This unique technology provides proven savings while maintaining healthy, beautiful landscapes. It's just one more advancement from Irritrol.

**Irritrol®**

## SMART DIAL™ SERIES

## ET-BASED CONTROLLERS

**6, 9, 12** and **24** stations  
indoor/outdoor      outdoor only

### Key Features and Benefits

- WeatherTRAK®-enabled interface allows each zone to be programmed based on site-specific information (plant material, type of irrigation head installed, sun exposure, topography and soil type)
- Saves water by reprogramming itself based on local weather data downloaded daily via satellite
- WeatherTRAK-enabled controllers have been shown to reduce over watering and runoff on residential and commercial landscape sites
- Snap-in, Smart Dial front panel modules, available separately, allow fast and easy on-site conversion of existing Rain Dial® and Rain Dial Plus timers to WeatherTRAK-enabled controllers (6, 9 and 12 station models)
- Initiates irrigation even if daily ET page is not received by using last download and loop-up tables in software

### New Enhancements

- Setting Usable Rainfall
- Setting Reference ET
- Enhanced Review
- Frequency Adjust in Auto Mode
- Adjust Water Amount in User Mode
- Service Notification
- Enhanced Average Weekly ET Display
- Enhanced Alerting

### Smart Dial™ SWAT™ Performance Summary

- The Smart Dial™ completed SWAT™ testing with 100% for irrigation adequacy and 0% for irrigation excess.

### Added Features

- Available in 6-, 9-, 12-, and 24 station models
- Non-volatile program memory
- Uses “real time” ET rather than historic data
- Can be programmed to a particular watering window of time
- Identifies active watering days on a seven-day calendar by month
- Copy button for simplified programming
- Communication and programming conflict alerts
- Sensor hookup with bypass switch is compatible with the Wireless RainSensor™ Series
- Irrigation schedule review
- Manual Program and Manual Station operation
- Program Review
- Simple diagnostics and help button
- Agency compliant, FCC approved
- UL and CSA listed
- Five-year warranty



## RETROFIT MODULES

In addition to 6-, 9- and 12-station indoor and outdoor models designed to fit a wide range of residential and light commercial applications, the Smart Dial Series also offers 6-, 9- and 12-station snap-in modules that convert Irritrol's Rain Dial® and Rain Dial® Plus controllers to this ET-based, WeatherTRAK-enabled technology.

With an installed base of more than 1 million Rain Dial and Rain Dial Plus controllers in the market, Smart Dial retrofits offer a tremendous water-saving opportunity.



Snap-in modules quickly and easily convert Rain Dial and Rain Dial Plus controllers to ET-based technology



STEP 1



STEP 2



STEP 3

### What is WeatherTRAK?

It is a highly advanced, weather-controlled irrigation management solution featuring a scheduling engine that calculates irrigation schedules based on site-specific information.

### What is ET Everywhere?

This subscription data service provides daily weather data to the WeatherTRAK scheduling engine, allowing the irrigation schedule to be adjusted for current weather conditions.



### How does it all work together?

Upon installation, the Smart Dial controller is programmed with site-specific information such as: sprinkler type and location, precipitation rates, soil and plant type, and sun exposure.



The ET Everywhere Data Service gathers data from approximately 10,000 weather stations across the country. Once analyzed, location-specific ET information is sent via wireless network to the Smart Dial controller. The WeatherTRAK-enabled scheduling engine automatically adjusts irrigation for maximum efficiency.

**S M A R T D I A L™ S E R I E S**

**E T - B A S E D C O N T R O L L E R S**

**Operating Specifications**

- Number of programs: 12
- Station run times: 1 min. to 99 minutes
- Start times: 64
- Watering schedule: 7-day calendar by month, Odd/Even Date, 1-30 day interval (Skip Day)
- Water budgeting: -50% through +25% of programmed time in 5% increments (with auto split of long run times)

**Electrical Specifications**

- Transformer input: 120 Vac, 60 Hz
- Transformer output: 24 Vac, 60 Hz
- Maximum output per station: 24 Vac, .5 amp
- Maximum output to valves: 24 Vac, 1.0 amp (including pump relay/master valve) 6, 9, & 12 stations
- Maximum output to valves: 24 Vac, 1.25 amp (including pump relay/master valve) 24 stations

**Dimensions: 6, 9, & 12 stations**

Outdoor	Indoor
Height: 7 <sup>3</sup> / <sub>4</sub> " (197mm)	Height: 7 <sup>3</sup> / <sub>4</sub> " (197mm)
Width: 10 <sup>3</sup> / <sub>4</sub> " (237mm)	Width: 7" (178mm)
Depth: 4 (102mm)	Depth: 3 <sup>3</sup> / <sub>4</sub> " (95mm)

**Optional Accessories**

- RS1000 wireless rain sensor
- RFS1000 wireless rain/freeze sensor
- RS500 wired rain sensor
- SR-1 Pump Starter Relay
- External Bowtie Antenna Kit: SD-ANT

**Dimensions: 24 station**

Outdoor
Height: 8 <sup>1</sup> / <sub>2</sub> " (216mm)
Width: 10 <sup>1</sup> / <sub>2</sub> " (267mm)
Depth: 5 (127mm)

**Specifying Information**

Model	Number of Stations	Outdoor/Indoor/Module
SD600-EXT	6	outdoor
SD900-EXT	9	outdoor
SD1200-EXT	12	outdoor
SD2400-EXT	24	outdoor
SD600-INT	6	indoor
SD900-INT	9	indoor
SD1200-INT	12	indoor
SD600-MOD	6	module
SD900-MOD	9	module
SD1200-MOD	12	module
SD2400-MOD	24	module



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