

● Sentinel controllers and timers are designed to maintain a high-degree of reliability while performing critical functions. Items like Environmental and Lighting controllers, timers & flammable gas-fired CO2 Generators. A lot of people believe that since 1998, our engineers have been providing the best and most reliable controllers and timers you can buy.

● Products carrying the Sentinel™ name, continue with that trend with a brand new line of:

• **100% Digital Environmental controllers and Timers**

• **Variable output CO2 Generators with Electronic Ignition**

• **CO2 Regulators and CO2 PPM Controllers**

• **Lighting controllers and MORE...**

Specifications

Amps / Volts requirements
 Min Max Operating Temp
 Min Max Operating Humidity
 Recycling timer modes
 24-hour Timeclock Accuracy
 Minimum time setting
 Maximum time setting

Specifications

Main Power requirements
 Trigger Cable
 Maximum HID Wattage
 Maximum number of ballasts
 Enclosure material
 Life Expectancy

DRT-1 & MDT-1

15 amps @ 120 VAC
 32 to 120 degrees F
 0-99% rH
 Day, Night or 24-hour
 +/- 12 seconds / year
 1 second
 23 hours, 59 min, 59 sec

HPH-4

30-amps @ 240 VAC
 120 VAC, 16 foot, Nema 1-15
 4000 watts
 Four (4) ballasts
 Heat sink Cast Aluminum
 > 10 years

Timers & Lighting Controllers



DRT-1
 Digital Recycling Timer

MDT-1
 Master Digital Timer

HPH-4
 High Power HID Controller

Timers & Lighting Controllers

DRT-1: 100% DIGITAL recycling timer. Allows the user to set the ON & OFF times in Hours, Minutes & seconds. No complex menus, single function pushbuttons for ease of use. Photocell allows daytime, nighttime or 24-hour operation. Two receptacles control up to 15-amps of power. Memory backed up with lithium battery. Re-settable circuit breaker built –in.

MDT-1 : 100% DIGITAL Lighting & recycling timer

- * Combines 2 main timing functions in one convenient package.
- * Control lighting schedules with 24-hour timeclock.
- * Integrated digital recycling timer can operate daytime, nighttime or 24 hours a day.
- * Digital recycling ON & OFF times can be programmed in hours, minutes and seconds.
- * The Hi- Temp shutdown feature allows the user to set a maximum temperature. In the event of overheating, the MDT-1 will shut off the lighting. If overheating event happens, the unit logs the max temperature and the time it occurred.
- * Hot Start prevention monitors the incoming power and will disable the HID lights in the event of a power failure. After a user selectable delay, the HID lamps are permitted to re-start.

HPH-4 : The HPH-4 High Power HID controller allows the user to connect up to (4) 1000 watt HID ballasts to one main control "relay". It is designed to safely control HID lights from a single 30-amp power source. It accomplishes this by using a 16 foot "trigger" cable that connects to a timeclock or the MDT-1. When the timer connected to the trigger cable turns ON, the heavy-duty relay inside the HPH-4 is energized. When the relay is energized, the lights are turned ON.

Accurate DIGITAL timer



DRT-1

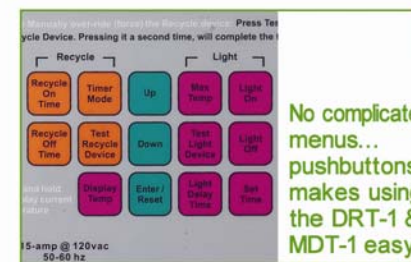


Bright easy to read LED display

Unparalleled Protection!!!

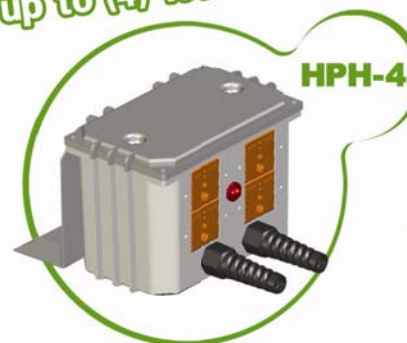


MDT-1



No complicated menus... pushbuttons makes using the DRT-1 & MDT-1 easy.

Control up to (4) 1000 watt lights!



HPH-4



Universal 120 / 240 volt outlets allow connection to almost all HID ballasts.



Cast aluminum enclosure keeps relay cooler and protects internal devices.