

Sentinel

Automatic Self Testing Unit

- *No additional wiring*
- *Test switch not required on switchboards*
- *Can be installed on existing lighting circuits*
 - *Automatic and manual control*
- *Sentinel complies with Australian and New Zealand Standards AS2293*
- *Luminaire always responds in an emergency*

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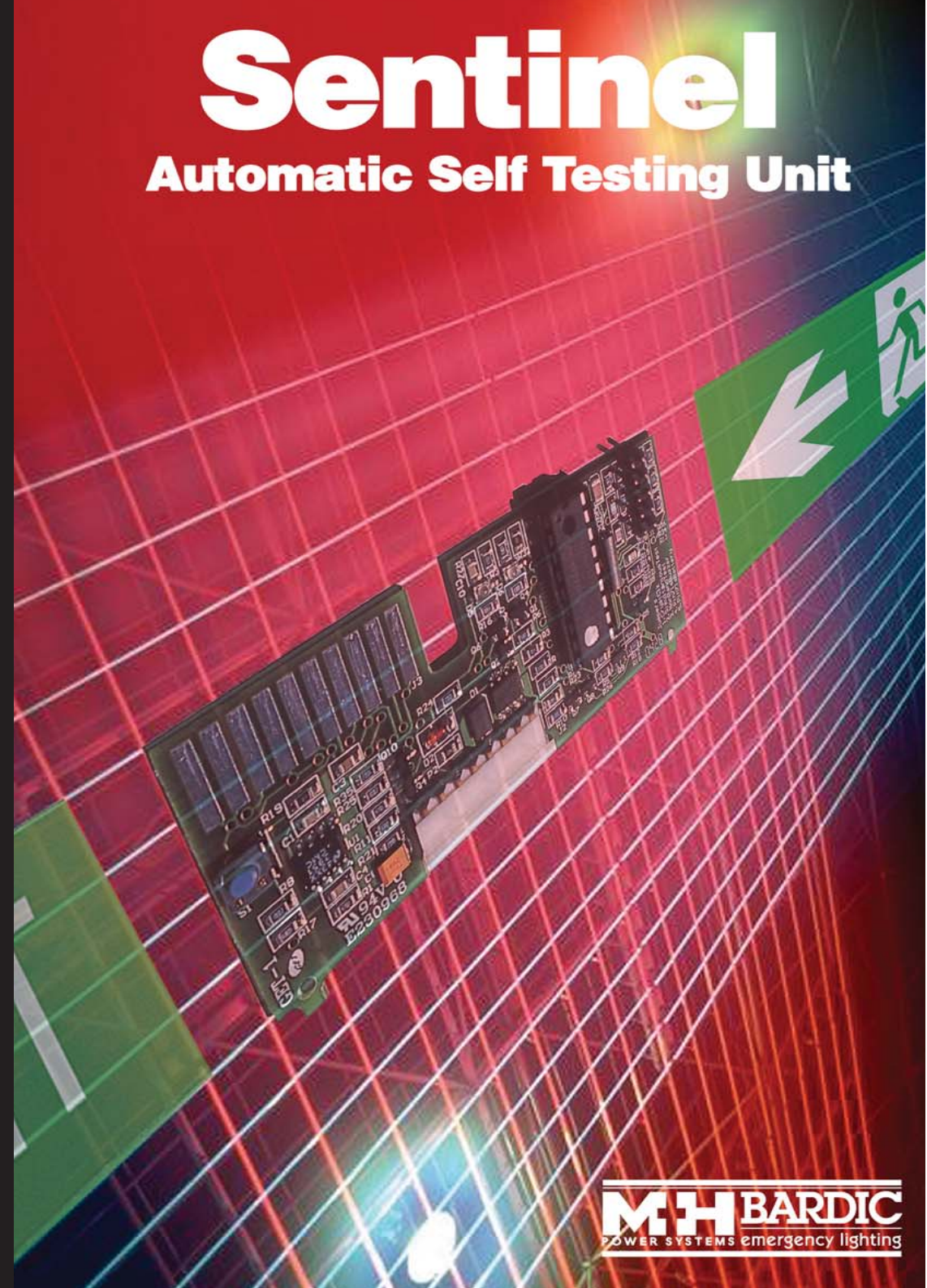
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MH BARDIC
POWER SYSTEMS emergency lighting

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As local government, becomes more energetic in enforcing regulations relating to essential services. M+H Power Systems Bardic provide a simple solution for emergency lighting test procedures, SENTINEL.

Building owners are aware of their responsibilities to ensure that the exit and emergency luminaires are compliant with the Building Codes of Australia and New Zealand. The Australian standard requires that the exit and emergency luminaires are tested at least once every six months. The tests required to be performed involves a regular time consuming and often disruptive manual procedure.

The Bardic Sentinel Automatic Self Testing System is Designed to a world standard

This new Sentinel Self Testing System simply fits into any Bardic exit and emergency luminaire.

Sentinel automatically performs the routine tests required, 120 minutes on commissioning and a 90-minute test every 91 days thereafter. These tests ensure the integrity of exit and emergency luminaires. It also tests the light source and cycles the battery for optimum performance and long life.

A flashing yellow LED indicates the status of the luminaire under test.

The current sensing detector within the Bardic Sentinel Self Testing Unit will acknowledge when a manual test command has been requested.

Should there have been a recent power failure, the yellow LED will flash for 5 seconds to

indicate that it has understood the command. It will delay testing the luminaire to allow for a full recharge of the batteries. Once the batteries are fully charged it will automatically perform the test required and indicate the result at the conclusion of the test.

This ensures that the exit and emergency luminaires are only tested when the batteries are in their normal fully charged stand-by mode.

Ease of Installation and Retrofit

The Bardic Sentinel System is compatible with all Bardic exit and emergency luminaires. It does not require any extra wiring and the luminaires can be installed on a local lighting circuit.

A test switch is not required in the switchboard neither is a dedicated emergency lighting circuit. Sentinel performs the tests detailed in the Australian Standards AS2293, without interrupting the normal lighting supply.

Optional Buzzer

An optional buzzer is available to audibly indicate a failed condition. Sentinel activates the buzzer after the failed condition has existed for 5 days. It will buzz for a predetermined time each day until the fault is rectified.

Failure Signal Override

If an exit and/or emergency luminaire fails to pass the 90-minute test, the Sentinel will immediately indicate the "failed" condition, and return the exit and/or emergency luminaire to the mains supply and try to charge the battery. The "failed test" indicator will continue to flash until the faulty luminaire is repaired.

The Bardic Sentinel Luminaire is the Smart, Easy and Inexpensive Way to Report Test Results

The Sentinel luminaire indicates the result of any test performed by a Yellow flashing indicator, located on the side of the exit and/or emergency luminaire.

Conditions are reported as follows: -

1. Yellow LED ON and steady - normal mode. Passed last test. Red LED ON - battery on charge.
2. Yellow LED OFF - luminaire on test. Red LED OFF - mains supply off.
3. Yellow LED flashing Slowly - 4 seconds on, 1 second off - Passed test during the previous five days. Red LED ON - battery on charge.

4. Yellow LED flashing continuously - luminaire failed test. Flashing will continue until the fault is rectified. Red LED ON - battery on charge.

5. Yellow LED flashing for a 5 second duration. This is a manual test confirmation. Sentinel has detected a recent power failure or a recent test. Sentinel will delay the next test until the battery is fully charged. Red LED ON - battery on charge.

Sentinel is inexpensive and ensures that the system meets the energetically enforced Australian Standard requirements as detailed in AS/NZ2293-1-2-3

Three decades of experience on State-of-the-art emergency lighting is at your disposal.

Test Reports Simplified		
<i>Bardic Sentinel indicates the test results via a Yellow LED located on the side or within the EXIT/EMERGENCY LUMINAIRE. Conditions reported are as follows</i>		
	Yellow LED ON Red LED ON	Normal Mode Passed Last Test. Battery on Charge.
	Yellow LED OFF Red LED OFF	Exit/Emergency Luminaire on Test. Mains Supply Off.
	Yellow LED Flashing 4 Seconds on 1 Second Off Red LED ON	Exit/Emergency Luminaire Passed the 90-minute Test in the Previous 5 Days. Battery on Charge.
	Yellow LED Flashing Continuously Red LED ON	Exit/Emergency Luminaire Failed the 90-minute Test. Battery on Charge.
	Yellow LED flashing for 5 Seconds Red LED ON	Manual Test Command Accepted, Test Delayed to Allow Battery to Recharge. Battery on Charge.

Red LED is normally on and steady, but is off during periods of test and main failure

Bardic Sentinel – The Easy, Inexpensive and Time Saving Way to Ensure Compliance with Australian and New Zealand Standards