

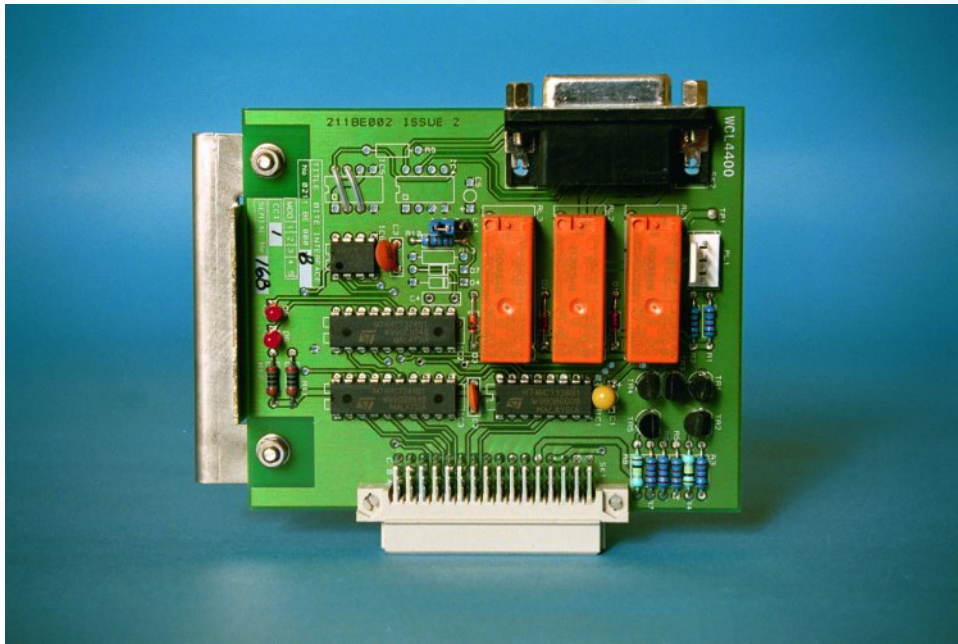


TIME & FREQUENCY
SOLUTIONS

UNRIVALLED EXPERTISE & TECHNOLOGIES FOR A DEMANDING WORLD

Option 39 BITE Interface Module

As part of its comprehensive range of options for its timing products, Time & Frequency Solutions offers the BITE Interface Module for the output of alarm and status information.



As standard, the complete range of Time & Frequency Solutions' timing products include self-test and diagnosis capability. This feature is known as BITE (Built in Test Equipment).

The BITE Interface Module provides a serial interface for communication of the status information to external systems. The Interface Module provides a message to the user to indicate any errors identified in the hardware or software.

The BITE Interface module also provides 3 voltage free changeover relay contacts for the indication of alarm conditions.

Specifications

The BITE Interface Module occupies one option slot of the main equipment chassis.

Module Connections

Serial Interface

The BITE interface module includes a serial data interface, which provides messages to the user indicating the failures that have been identified in the timing system. The serial data interface is provided via a 15-way D type connector.

Voltage Free Changeover Alarms

3 Voltage free changeover alarms are available to the user. One alarm relay is used to indicate AC Power Fail. The other alarms are dependent on the configuration of the module. Optionally the other two alarm relays can be configured to indicate DC Power Fail and a global alarm indicating that a BITE error has occurred or alternatively, the two alarms can be user defined using the front panel keyboard and display of the timing system. The alarm outputs are also provided via the 15 way D type connector.

Environment (Operation & Storage)

Temperature	:	0°C to +40°C
Humidity	:	Up to 95% RH (non-condensing)
EMC	:	CE Compliant

As we are always seeking to improve our products, the information in this document only provides general indications of product capability, suitability and performance, none of which shall form any part of any contract.

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