Woodward Woodward Series Service Manual

5437-080

1. Description

SPECIFICATIONS:

3. Product Information

SPECIFICATIONS:

Part Number: 5437-080

Manufacturer: Woodward

Series: 5400

Product type: NetCon Field Terminal Module

Size: 14in. x 11in. x 4in

Display: 24-character LEDs

Button: Emergency Stop

Input Voltage: 24VDCRELAY MODULE

37-PIN CONNECTOR

FUNCTIONAL DESCRIPTION:

5437-080 is a NetCon Field Terminal Module manufactured and designed by Woodward as part of the 5400 Series used in Turbine Control Systems. It is a block connection terminal component with a 37-pin connector. Field Termination Modules (FTM) are used to connect field wire to the front of the I/O Modules of the MicroNet control. They connect to the I/O modules' subminiature D-type connectors on the front and provide cage-clamp terminal connection points for field wiring. In addition, they provide shield termination and EMI protection. All FTMs can be placed on 35 mm DIN Rails and serve as terminal blocks for field wiring. This Relay module is discontinued by the manufacturer. Contact WOC for availability and more details.

PRODUCT ATTRIBUTES:

Block Connection Field Terminal with a 37-Pin Connector: One of the standout features of the module is its block connection field terminal equipped with a 37-pin connector. This design facilitates easy and secure connections to a variety of devices and systems. The 37-pin connector allows for efficient signal transmission and connectivity with a wide range of equipment, making it a versatile choice for integration into industrial setups.

Relays for Control of Electrical Circuits: The module incorporates relays, which are fundamental components for controlling electrical circuits. These relays serve as a vital interface between low-voltage control systems and high-power equipment. They enable the safe and reliable switching of electrical circuits, making it possible to control and manage high-power machinery and processes with precision.

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Advanced Networking and Communication Capabilities: Beyond its basic functionality, the module stands out due to its advanced networking and communication capabilities. This module is designed to seamlessly integrate into larger control and monitoring systems. It can communicate and exchange data with other components and systems, allowing for real-time monitoring, data analysis, and remote control. This capability is especially valuable in modern industrial environments where efficiency and automation are paramount.

Facilitating Efficient and Secure Industrial Processes: Integration into industrial setups enhances overall efficiency and security. By providing advanced networking and communication features, it enables operators and engineers to have better control and visibility over industrial processes and equipment. This, in turn, leads to improved productivity, reduced downtime, and enhanced safety.

Ensuring Equipment Operation: It plays a crucial role in ensuring the smooth operation of industrial equipment. Its ability to manage and control electrical circuits and its compatibility with a variety of devices contribute to the reliability and longevity of machinery. This reliability is essential in industrial environments where downtime can result in significant losses.

FEATURES:

Relay Modules: Built with precision, this terminal is exclusively designed to cater to the connectivity needs of relay modules. Its thoughtful engineering ensures that it is perfectly suited for establishing secure and reliable connections with relay-based systems.

37-Pin Connector: The terminal features a 37-pin connector configuration, offering a versatile and extensive platform for establishing connections. This comprehensive pin layout accommodates various relay module configurations and supports a wide array of control signals.

Precision Relay Control: The core objective of this terminal is to enable precise control over relay modules. Optimizing the connection interface, enhances the efficiency and accuracy of control signal transmission, ensuring that relay operations are executed with the utmost precision.

Modular Adaptability: With a modular design, the terminal's adaptability shines through. Its design allows it to seamlessly integrate into a variety of relay module setups, offering a standardized interface for efficient relay control and management across diverse applications.

Robust Industrial Build: Crafted to endure challenging industrial environments, this terminal boasts a robust build that can withstand the rigors of demanding conditions.