Woodward Woodward Series Service Manual

5466-258

1. Description

SPECIFICATIONS

2. Specifications

Specification	Value
Air	**Quality Pollution Degree 2**
Control	**Type Vertex-Pro Motor-Driven Compressor**
Installation	**Overvoltage Rating Category II**
Listings	**IL, ATEX, CE(EMC), DNV, ABS, and LRS**
Module	**Type Simplex Discrete 48/24 I/O Module**
Operating	**Temperature Range 0-55°C**
Storage	**Temperature -40 to +105 °F**
Weight	**48 lbs. (22 kg) when in Chassis**
About	**the 5466-258**
The	**5466-258 module is a Simplex Discrete Input/Output unit. The unit was produced by Woodward as part of the MicroNet Digital Control series which can also be used with a Vertex-Pro Chassis. The typical hardware used with this unit is the MicroNet Plus hardware. This module can be used in both Simplex and Redundant systems. This module can be used in any chassis module, whether eight or fourteen slots. Please note the locations for this unit must be non-hazardous or within Class I, Division 2, Groups A, B, C, and D.**

3. Product Information

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SPECIFICATIONS

Part Number: 5466-258

Manufacturer: Woodward

Product type: Discrete I/O Module

External input voltage: 18 to 32 Vdc

Power Supply Input: 18 to 32 Vdc

Power Required: 6.5 Watts at 24 Vdc

Repair: 3-7 Day

Availability: In Stock

Country of Manufacture: United States (USA)

Functional Description

5466-258 is a Discrete I/O Module developed by Woodward. The modules are inserted into card guides in the control's chassis and connected to the motherboard. Two screws, one at the top and one at the bottom of the front panel, hold the modules in place. There are also two handles at the top and bottom of the module that, when toggled (pushed outward), move the modules out just far enough for the boards to disengage the motherboard connectors.

Installation

Connect the Input Module to the appropriate network and 24 Vdc power and mount it on the DIN rail. If desired, the inputs can be wired using the internal +24 V connections or an external 24 V power source. Connect the discrete inputs.

Set the module address one and ten rotary switches according to the application setup. The system allows for the replacement of faulty nodes in real time. The network cable connections must be kept intact when replacing a node.

A faulty node can be disconnected from the network by removing both terminal blocks from their headers and the node from the DIN rail. The replacement node's address switches should be set to match those of the faulty node.

After that, the replacement node can be mounted on the DIN rail and the terminal blocks pushed into the headers. To restart communications with the controller module and clear the no message fault, the node must be reset using the application program.

DISCRETE I/O MODULE

SIMPLEX

48 INPUT

24 OUTPUT

5466-258 Technical Specifications

Air Quality Pollution Degree 2

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Listings IL, ATEX, CE(EMC), DNV, ABS, and LRS

Module Type Simplex Discrete 48/24 I/O Module

Operating Temperature Range 0-55°C

Storage Temperature -40 to +105 °F

Weight 48 lbs. (22 kg) when in Chassis

About the 5466-258

The 5466-258 module is a Simplex Discrete Input/Output unit. The unit was produced by Woodward as part of the MicroNet Digital Control series which can also be used with a Vertex-Pro Chassis. The typical hardware used with this unit is the MicroNet Plus hardware. This module can be used in both Simplex and Redundant systems. This module can be used in any chassis module, whether eight or fourteen slots. Please note the locations for this unit must be non-hazardous or within Class I, Division 2, Groups A, B, C, and D.

The 5466-258 module is a forty-eight/twenty-four discrete combo module, this indicates that there are forty-eight inputs and twenty-four outputs. There are two configurations that the module can be used in. One of them will consist of two twenty-four/twelve discrete FTMs which will connect to this module through two high-density discrete/analog cables. The discrete inputs on this module will be optically isolated and can be accessed through the twenty-four/twelve FTMs when in the second configuration.

On the front faceplate, there is only one LED which indicates the potential faults. There are also two connectors on the module.