

Mitsubishi GT27-R2-Z Manual

Brand	Mitsubishi
Product Series	Mitsubishi Pepperl+Fuchs Omron
Product Type	RGB Input Unit

Description

The Mitsubishi GT27-R2-Z is an RGB input unit compatible with the GOT2000 series of human-machine interfaces (HMI). It is designed specifically for use with the GT27 models and enables the display of analog RGB signals on connected devices.

Technical specifications for GT27-R2-Z

Manufacturer Mitsubishi

Product Line GOT2000

Part Number GT27-R2-Z

Weight 3.00 lbs (1.36 kg)

Device Type RGB Input Unit

Series Compatibility GOT2000 Series

Applicable Models GT27

Functionality Accepts analog RGB input signals and displays them on the connected GOT2000 series HMI

Input Channels 2 channels; each channel can display one RGB screen at a time

Input Signal Type Analog RGB signals (XGA: 1024 x 768 pixels, SVGA: 800 x 600 pixels, VGA: 640 x 480 pixels)

Synchronization Signal TTL level, 1 Vp-p, 75 Ω impedance

Display Resolution Supports XGA, SVGA, and VGA resolutions

Connector Type D-Sub 15-pin female connector for external connection

Current Consumption Approximately 0.49 A at 3.3 V DC; 0.35 A at 5.0 V DC

Description

The GT27-R2-Z from Mitsubishi is an RGB input unit that integrates with the GOT2000 series. This component provides an efficient way to accept and display analog RGB signals across various connected devices. Suitable for the GT27 models, it allows for simultaneously presenting two separate RGB screens.

Supporting input signal types include resolution standards such as VGA (640 x 480 pixels), SVGA (800 x 600 pixels), and XGA (1024 x 768 pixels), ensuring broad compatibility with numerous display formats. The synchronization signal required for operation is TTL level at 1 Vp-p with a 75 Ω impedance, maintaining stable performance during runtime.

The unit connects through a D-Sub 15-pin female connector, providing a secure interface with external devices. Regarding power consumption, it requires approximately 0.49 A when operated at 3.3 V DC and 0.35 A at 5.0 V DC, indicating a modest energy requirement for functionality. With an estimated weight of 0.33 kg when used alongside the GT27-IF1000 interface converter, the GT27-R2-Z offers a compact solution for integrating RGB displays into the system.

Technical Specifications

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