Hirschmann RS20-0800T1T1SDAUHH

Hirschmann RS20-0800T1T1SDAUHH Ethernet Rail Switch User Manual

Model: RS20-0800T1T1SDAUHH

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the Hirschmann RS20-0800T1T1SDAUHH Ethernet Rail Switch. This unmanaged Fast Ethernet switch is designed for industrial applications, offering reliable network connectivity with 8 ports and DIN rail mounting capabilities. Please read this manual thoroughly before operating the device.

Figure 1: Hirschmann RS20-0800T1T1SDAUHH Ethernet Rail Switch in its original packaging. The packaging indicates the model number and brand for verification.

2. SETUP AND INSTALLATION

Follow these steps for proper installation of your Hirschmann RS20-0800T1T1SDAUHH switch.

2.1 Unpacking

- Carefully remove the switch from its packaging.
- Verify that all components are present and undamaged. The package should contain the switch and any included hardware.

2.2 Mounting

The RS20-0800T1T1SDAUHH is designed for DIN rail mounting.

1. Attach the switch securely to a standard DIN rail in an industrial enclosure.
2. Ensure adequate ventilation around the device to prevent overheating.

2.3 Power Connection

Connect the power supply to the switch.

- The switch operates on 24V AC or 24-48V DC.
- Ensure the power source matches the specified voltage range.
- Connect the power cables to the designated power input terminals on the switch.

2.4 Network Connections

Connect Ethernet devices to the switch ports.

- The switch features 8 Fast Ethernet ports.
- Use standard Ethernet cables (e.g., Cat5e or Cat6) to connect your network devices (e.g., PLCs, industrial PCs, sensors) to any of the 8 ports.
- The switch automatically detects link speed and duplex mode.

Figure 2: The Hirschmann RS20-0800T1T1SDAUHH switch, illustrating the 8 Ethernet ports and the power input terminal block for connection.

3. OPERATING INSTRUCTIONS

The Hirschmann RS20-0800T1T1SDAUHH is an unmanaged switch, designed for simple plug-and-play operation.

3.1 Power On

Once the power supply is connected, the switch will power on automatically. There is no power button.

3.2 Network Connectivity

Upon connecting Ethernet devices to the switch ports, the switch will automatically establish network links. Data transmission will commence without further configuration.

3.3 LED Indicators

Observe the LED indicators on the switch for status information:

- **Power LED:** Indicates the power status of the device. Typically green when powered on.
- **Link/Activity LEDs (per port):**

    - **Solid Green:** Indicates a successful network link.
    - **Flashing Green:** Indicates data activity on the port.
    - **Off:** No link detected or device is not connected.

4. MAINTENANCE

The Hirschmann RS20-0800T1T1SDAUHH switch requires minimal maintenance.

4.1 Cleaning

- Ensure the device is powered off before cleaning.
- Use a soft, dry cloth to wipe the exterior of the switch.
- Do not use liquid cleaners or solvents, as these can damage the device.

4.2 Environmental Considerations

The switch has an IP00 rating, meaning it is not protected against dust or water ingress. It must be installed in an appropriate enclosure that provides protection from environmental factors.

5. TROUBLESHOOTING

This section provides solutions to common issues.

5.1 No Power

- **Symptom:** Power LED is off.
- **Action:**

    - Check the power cable connection to the switch.
    - Verify the power source is active and providing the correct voltage (24V AC / 24-48V DC).
    - Inspect the power terminals for secure contact.

5.2 No Network Connectivity

- **Symptom:** Link/Activity LED for a port is off, or devices cannot communicate.
- **Action:**

    - Ensure the Ethernet cable is securely connected to both the switch port and the connected device.
    - Try a different Ethernet cable.

- Verify the connected device is powered on and functioning correctly.
- Try connecting the device to a different port on the switch.

6. SPECIFICATIONS

Technical specifications for the Hirschmann RS20-0800T1T1SDAUHH Ethernet Rail Switch.

Feature	Specification
Model Number	RS20-0800T1T1SDAUHH
Brand	Hirschmann
Switch Type	Unmanaged Fast Ethernet Switch
Number of Ports	8
Mounting Type	DIN Rail
Operating Voltage	24V AC / 24-48V DC
Connectivity Protocol	Ethernet
Product Dimensions (L x W x H)	0.31 x 0.31 x 0.28 inches
Weight	5.67 Pounds
International Protection Rating	IP00
Contact Material	Copper
Date First Available	May 11, 2018

Figure 3: Product label for the Hirschmann RS20-0800T1T1SDAUHH, displaying key identification numbers such as UPC
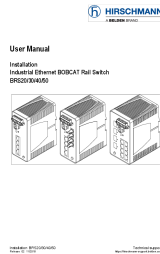
7. WARRANTY AND SUPPORT

7.1 Warranty Information

For specific warranty details regarding your Hirschmann RS20-0800T1T1SDAUHH switch, please refer to the warranty documentation provided with your purchase or contact Hirschmann directly. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase.

7.2 Technical Support

If you encounter issues that cannot be resolved using the troubleshooting guide, or require further technical assistance, please contact Hirschmann customer support or your authorized distributor. Have your product model number (RS20-0800T1T1SDAUHH) and serial number ready when contacting support.

Related Documents

	Hirschmann RS40 Gigabit Ethernet Rail Switch - Australian Declaration of Conformity This document presents the Supplier's Declaration of Conformity for the Hirschmann RS40 Gigabit Ethernet Rail Switch, confirming compliance with Australian radiocommunications and telecommunications standards, including EMC requirements.
	Hirschmann BOBCAT Rail Switch BRS20/30/40/50 Installation Manual This user manual provides comprehensive installation instructions for Hirschmann BOBCAT Industrial Ethernet Rail Switches, including models BRS20, BRS30, BRS40, and BRS50. It covers device descriptions, safety guidelines, installation procedures, connection details, and basic configuration for industrial network deployment.
	Hirschmann EESX HIOS-2E Reference Manual: Graphical User Interface Guide Comprehensive reference manual detailing the Graphical User Interface (GUI) for the Hirschmann EESX HIOS-2E Embedded Ethernet Switch. Covers configuration, security, network management, and operational features.
	Hirschmann RSPE HIOS-2S Rel. 10300 Graphical User Interface Reference Manual Comprehensive reference manual detailing the Graphical User Interface (GUI) for the Hirschmann RSPE HIOS-2S network device, version Rel. 10300. Covers basic settings, network configuration, security, and time synchronization protocols.

Documents - Hirschmann – RS20-0800T1T1SDAUHH

[pdf] Dimension Guide Catalog

Hirschmann Automation and Control GmbH Industrial Ethernet Cut Sheet RS20 0800T1T1SDAUHH Switch Fast Unmanaged 8 Port RJ45 Fanless Design Gexpro hirrs20 0800t1t1sdauhh i BE8AEF1F 53F4 4AA5 820A 2E86DC7D0F1E rexel cdn products |||

Product information Compact OpenRail unmanaged Fast Ethernet switch**RS20-0800T1T1SDAUHH** Industrial Ethernet:Unmanaged Industrial Ethernet Switches:Configurable Unmanaged Switches:Fast Ethernet switches:Compact OpenRail unmanaged Fast Ethernet switch https://e-catalog.hirschmann.com:443/link/57078-...

lang:en score:46 filesize: 97.37 K page_count: 2 document date: 2017-03-14

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Hirschmann. Simply a good Connection. Industrial ETHERNET Edition 5 Some errors can be really expe ... EC, 19 installation frame 29 Industrial ETHERNET Compact Unmanaged Switches Type Order No. **RS20-0800T1T1SDAUHH RS20-0800T1T1SDAUHH** Product description Port type and quantity More Interfaces ...

lang:en score:19 filesize: 10.12 M page_count: 236 document date: 2008-01-08