TRU Components TC-9539292

TRU COMPONENTS TC-9539292 LED Signal Column User Manual

Model: TC-9539292

INTRODUCTION

The TRU COMPONENTS TC-9539292 is a robust and durable LED signal column designed for industrial applications. It provides clear visual and audible indications for various operational states. This manual provides essential information for the safe and effective installation, operation, and maintenance of your signal column.

Image: TRU COMPONENTS TC-9539292 LED Signal Column. This image displays the TRU COMPONENTS TC-9539292 LED Signal Column. The column features two distinct light segments: an upper red segment and a lower green segment. A black power cable with exposed wires at the end is shown coiled next to the column, indicating its electrical connection. The base of the signal column includes a threaded section for mounting.

SAFETY INFORMATION

Always observe the following safety precautions to prevent injury and damage to the device:

- Ensure the power supply is disconnected before installation, maintenance, or troubleshooting.
- Installation should only be performed by qualified personnel in accordance with local electrical codes and regulations.

- Do not expose the device to excessive moisture, dust, or extreme temperatures outside its specified operating range.
- Verify the correct voltage (24 Volts) before connecting the device.
- Do not attempt to modify or repair the device yourself. Refer to qualified service personnel.

SETUP AND INSTALLATION

Follow these steps for proper installation of the signal column:

1. **Mounting:** The signal column features a threaded base (M2x15, Hexagonal head style) for secure mounting. Ensure the mounting surface is stable and capable of supporting the device's weight (119 grams).
2. **Wiring:** Connect the signal column to a 24 Volt power supply. The cable includes multiple wires; refer to the specific wiring diagram provided with your equipment for correct connections to control the red and green LED segments and the audible alarm. Ensure all connections are secure and insulated.
3. **Environmental Considerations:** Install the column in an environment that is free from excessive vibration and within the recommended operating temperature range. The material is plastic.

OPERATING INSTRUCTIONS

The TRU COMPONENTS signal column offers both visual and audible indications:

- **Visual Indication:** The red and green LED segments can be configured for either *continuous illumination* or *flashing*. The specific control signals for these modes will depend on your system's integration.
- **Audible Indication:** The integrated sounder can produce either a *continuous tone* or a *discontinuous tone* (intermittent sound). Consult your system's control logic for activating these audible alerts.

The signal column is designed to integrate with industrial control systems to provide real-time status updates.

MAINTENANCE

The TRU COMPONENTS signal column is designed for durability and requires minimal maintenance. However, regular checks can extend its lifespan and ensure reliable operation:

- **Cleaning:** Periodically clean the exterior of the column with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the wiring and connections for any signs of wear, damage, or loose connections. Ensure the mounting is secure.
- **LED Check:** Verify that both red and green LED segments illuminate correctly when activated.
- **Sounder Check:** Confirm the sounder functions as expected when activated.

Always disconnect power before performing any maintenance.

TROUBLESHOOTING

If you encounter issues with your signal column, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No light or sound	No power supply; Incorrect wiring; Faulty unit	Check power connection (24V); Verify wiring against diagram; Contact support if power and wiring are correct.

Problem	Possible Cause	Solution
Only one LED segment illuminates	Incorrect wiring for specific segment; Faulty LED segment	Check wiring for the non-illuminating segment; If wiring is correct, the segment may be faulty.
Sounder not working	Incorrect wiring for sounder; Faulty sounder	Verify sounder wiring; If wiring is correct, the sounder may be faulty.
Intermittent operation	Loose connections; Unstable power supply	Check all wiring connections for tightness; Ensure power supply is stable.

For issues not listed above, or if solutions do not resolve the problem, please contact TRU Components customer support.

SPECIFICATIONS

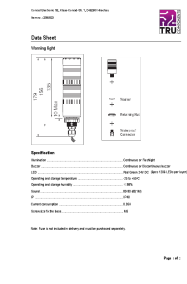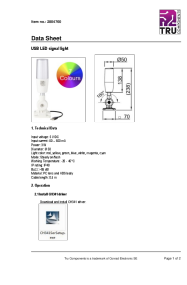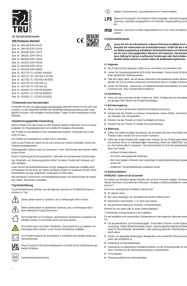|	
Model Number	TC-9539292
Manufacturer	TRU COMPONENTS
Dimensions (L x W x H)	10 x 10 x 15 cm
Weight	119 grams
Color	Red, Green
Material	Plastic
Voltage	24 Volts
Number of Pieces	1
Head Type	Hexagonal
Measurement System	Metric
Thread Size	1/4"-20 UNC
Features	Continuous or flashing illumination, Continuous or discontinuous sounder

WARRANTY AND SUPPORT

TRU Components provides a **1-year availability for spare parts** for the TC-9539292 LED Signal Column from the date of purchase.
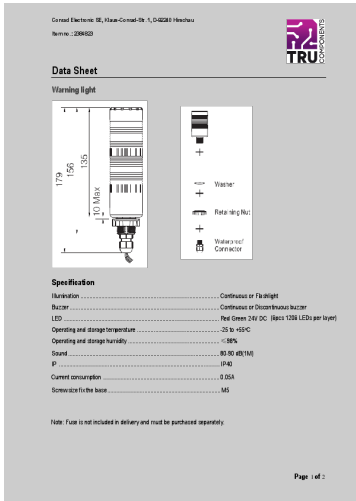For technical support, warranty claims, or further assistance, please contact your point of purchase or visit the official TRU Components website. Ensure you have your model number (TC-9539292) and purchase details ready when contacting support.

Related Documents

[TRU COMPONENTS Warning Light TC-9539292 Technical Specification | Conrad Electronic](#)
Detailed technical data sheet for the TRU COMPONENTS Warning Light, model TC-9539292. Features include LED illumination (Red, Green), buzzer, IP40 rating, and 24V DC operation. Includes specifications and wiring diagram information.

[TRU COMPONENTS USB LED Signal Light Data Sheet](#)
Technical data and operation instructions for the TRU COMPONENTS USB LED Signal Light (Item no. 2804760), featuring 7 colors and buzzer functionality.

[TRU Components DIN Rail Power Supply Safety and Technical Data](#)
Comprehensive safety instructions, intended use, symbol explanations, and technical specifications for TRU Components DIN Rail Power Supplies, including model numbers and operating parameters.

[TRU COMPONENTS TC-ECAN-U01S USB CAN Bus Analyzer Operating Instructions](#)
Operating instructions for the TRU COMPONENTS TC-ECAN-U01S USB CAN Bus Analyzer, detailing its intended use, features, safety precautions, connection, operation, and technical specifications.

Documents - TRU Components – TC-9539292

[TRU COMPONENTS Warning Light TC-9539292 Technical Specification | Conrad Electronic](#)
Detailed technical data sheet for the TRU COMPONENTS Warning Light, model TC-9539292. Features include LED illumination (Red, Green), buzzer, IP40 rating, and 24V DC operation. Includes specifications and wiring diagram information.
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[pdf] Specifications Datasheet

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