

# Modbus Server Quick Reference Guide

## 1. INTRODUCTION

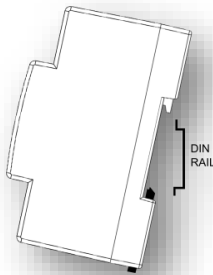
The **Modbus Server** is an ultimate server for the Modbus Protocol. DIN Rail based for easy installation, it will interface with Modbus devices (not included) and use a free software tool (**Modbus Server Tool**) for set up. The **Modbus Server** will allow you to expand your Modbus system to other dimension that you never thought before.

## 2. SECURITY INFORMATION

Installation and programming must be undertaken by qualified personnel. Qualified personnel are those who have the training and experience required to identify potential risks and hazards while handling our product.

## 3. INSTALLATION

The **Modbus Server** may be installed in any power control cabinet or power derivation node, as long as the target site has a DIN rail.



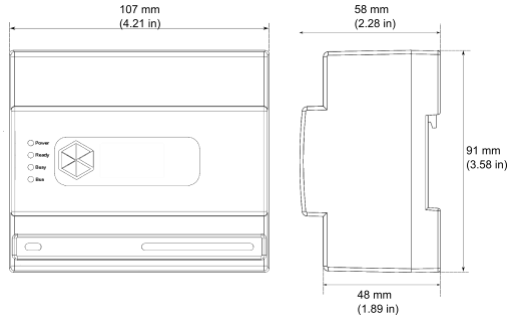
DIN Rail installation.

## 4. PRODUCT SPECIFICATIONS

### MECHANICAL

Size..... 91 x 107 x 58 mm  
(3.58" x 4.21" x 2.28")  
Weight.....Aprox. 190 g  
Storage Temperature.....-40°C to 85°C  
Operating Temperature.....0°C to 70°C

Color.....Dark Blue  
Mount.....DIN Rail Standard



### ELECTRICAL

Maximum width of input cables: 0,5 mm2

Voltage..... 12 a 30 V DC  
Nominal consumption.....60 mA  
Maximum consumption..... 650 mA

#### *Digital Inputs(6)*

Max. Input Voltage .....24 V

#### *Digital outputs (6)*

3 (1-3) Max. Voltage .....30 VDC  
3 (1-3) Max. total current or per channel(V+) .....  
.....500 mA  
3 (4-6) Max. Voltage .....24 VDC  
3 (4-6) Max. total current per channel (Common  
GND) .....30 mA

#### *OTHERS*

1 x 10/100 Mb Ethernet Port  
1 x RS232 Port  
1 x RS485 Port

## 5. DECLARATION OF COMPLIANCE

Domatiga SA hereby declares that the **Modbus Server** product complies with the following EU directives.

### ***Electromagnetic Compatibility (EMC) - 2004/108/EC***

Applicable rules and documents:

#### **EMC Emissions**

EN 55022 (2006) + A1(2007) – Radio disturbances characteristics; Information technology equipment.

### EMC Immunity

EN 55024 (1998) + A1(2001) + A2(2003) – Immunity characteristics; Information technology equipment.

### 6. CONNECTIONS

Your **Modbus Server** has several connections, please see image below for reference.

### 7. WARRANTY

Domatica SA products come with a standard 24 month warranty, covering manufacture and material defects. Warranty starts when you buy the product.

#### What your warranty DOES cover:

Your warranty covers manufacture or material defects, if you have purchased your device from an authorized dealer.

#### What you warranty DOES NOT cover:

- Damages caused by accidents, improper usage, bad installation, modification attempts or gross negligence.
- Any damage that occurs during transport.
- Damaged cause by unqualified technical intervention
- Products in which the Serial Number has been removed or tampered which, thereby making identification of the device impossible
- Products acquired from an unlicensed dealer.

### 8. REGISTER YOU PRODUCT

To start using your **Modbus Server**, please go to <http://register.rulerly.com>, register your product and activate your software.

### 9. USER MANUAL

For further information on **Modbus Server**, please download the user manual from our website: <https://rulerly.zendesk.com>

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### Modbus Server (Power Connection)

