# Voltmeter with Contact Output
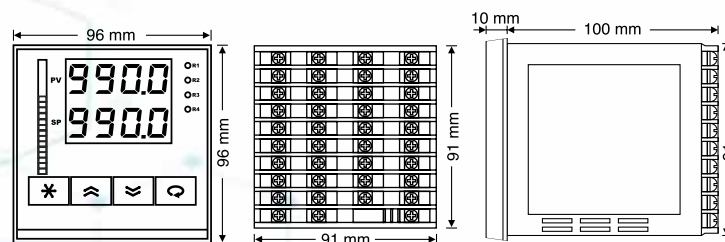
# SC991V

Configuration Via Computer

SC991V devices are 96 x 96 mm in size. Designed for the purpose of measuring voltage information in industrial environments and on / off control, they are devices that can be configured as fully modular and each module is self-contained. They are ergonomic devices whose compliance with international standards, reliability and ease of use have been ensured at the design stage.

## Device Features

2 pcs 4 Digit Display
4 pcs LED Display
1 pcs Max 400V Measurement Input
1 pcs Analog Output (0/4-20mA.0/2-10V)
1 pcs RS485 Communication Unit
4 pcs Relay or Logic Output (24VDC)
100-240V AC/DC Universal or 24V AC/DC Supply Voltage
Isolation Between Input/Output Modules

9 Different Relay Functions
ON/OFF Controls
100ms Sampling and Control Cycle
Standard MODBUS RTU communication protocol

## Device Dimensions

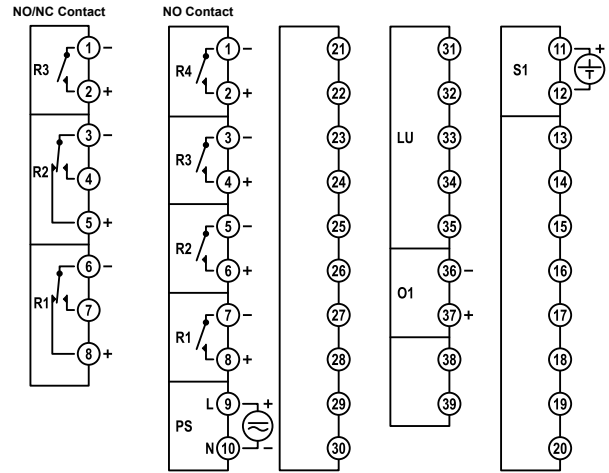96 mm
96 mm
91 mm
91 mm
10 mm
100 mm
91 mm

**Panel Cutting Dimensions = 92 ± 0,5 mm x 92 ± 0,5 mm**

## Technical Specifications
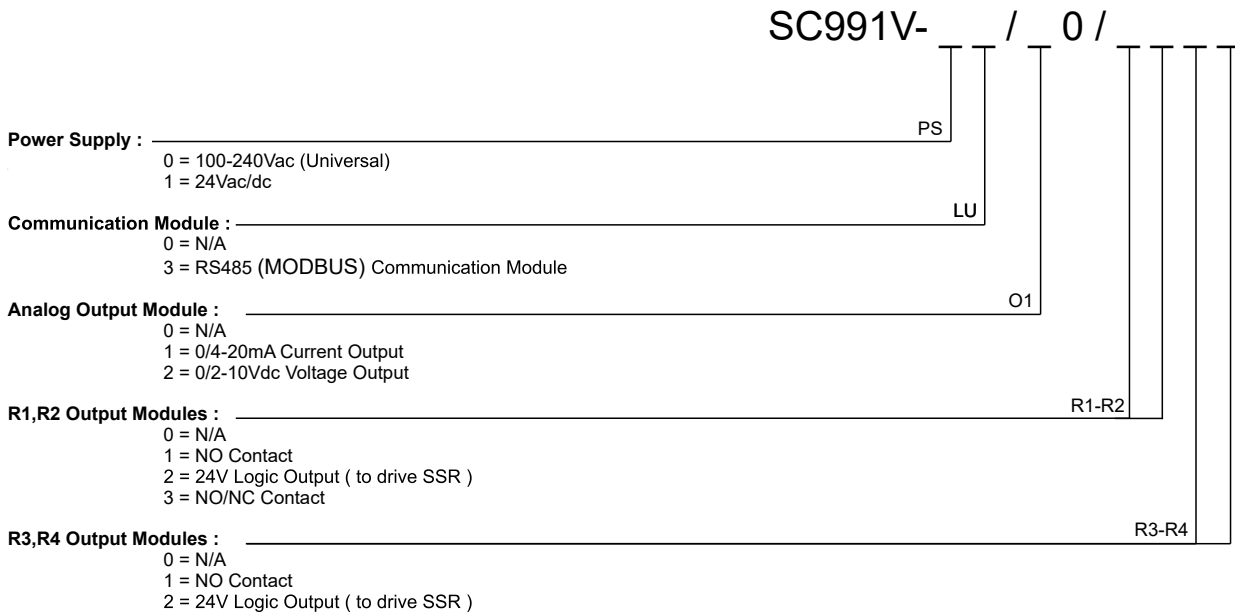
| | |
|---|---|
| **Power Supply ( PS )** | 100-240 Vac/dc +10%-15% Universal<br>24 Vac/dc +10%-20% Universal |
| **Power Consumption** | 6W, 10VA |
| **Universal Sensor Input ( S1 )** | Max = 400V AC/DC |
| **Analog Output ( O1 )** | Current = 0/4-20mA ( RL≥500Ω )<br>Voltage = 0/2-10V ( RL≥1MΩ ) |
| **Relay Output ( R1,R2,R3,R4 )** | Contact = 250VAC 10A<br>Logic Output = 24Vdc 20mA |
| **Contact Lifetime** | No Load = 10.000.000 Switching<br>250V,10A Resistive Load = 1.000.000 Switching |
| **Memory** | 100 Years, 100.000 Renewals |
| **Accuracy** | +/- 0,2% |
| **Sampling Time** | 100 ms |
| **Environment Temperature** | Working = -10...+55°C<br>Storage = -20...+65°C |
| **Protection Class** | Front Panel = IP54    Trunk = IP20 |
| **Dimensions** | Width = 96 mm<br>Height = 96 mm<br>Depth = 110 mm |
| **Panel Cutting Dimensions** | 92 +/- 0,5 mm x 92 +/- 0,5 mm |
| **Weight** | 430 gr |

## Modular Structure and Connection Diagram



| Module | Description |
|---|---|
| **S1** | Voltage measuring ends |
| **LU** | This module is RS485 communication unit (The content of this module is determined by the product code, function is selected from the configuration page). |
| **O1** | Analog output (The content of this module is determined by the product code, function is selected from the configuration page). |
| **R1,R2,R3,R4** | Relay output modules (The content of this module is determined by the product code, function is selected from the configuration page). |
| **PS** | Supply voltage input (Supply voltage is determined by product code). |

## Product Code

SC991V- _ _ / _ 0 / _ _ _ _

PS

LU

O1

R1-R2

R3-R4

**Power Supply :**
  0 = 100-240Vac (Universal)
  1 = 24Vac/dc

**Communication Module :**
  0 = N/A
  3 = RS485 (MODBUS) Communication Module

**Analog Output Module :**
  0 = N/A
  1 = 0/4-20mA Current Output
  2 = 0/2-10Vdc Voltage Output

**R1,R2 Output Modules :**
  0 = N/A
  1 = NO Contact
  2 = 24V Logic Output ( to drive SSR )
  3 = NO/NC Contact

**R3,R4 Output Modules :**
  0 = N/A
  1 = NO Contact
  2 = 24V Logic Output ( to drive SSR )

*Note : If R1 relay is coded as 3 (NO / NC), and relay R2 is selected as contact, it must be coded as NO / NC.*
*If the R2 relay is coded as 3 (NO / NC), and the R1 relay is selected as a contact, it must be coded as NO / NC.*
*If R1, R2 module is selected as 3, then R4 module must be coded as 0.*

**VOLTMETER WİTH CONTACT OUTPUT  - SC991V**
Our company, without prior notice, reserves the right to make any changes in the products.

**ORDEL**