

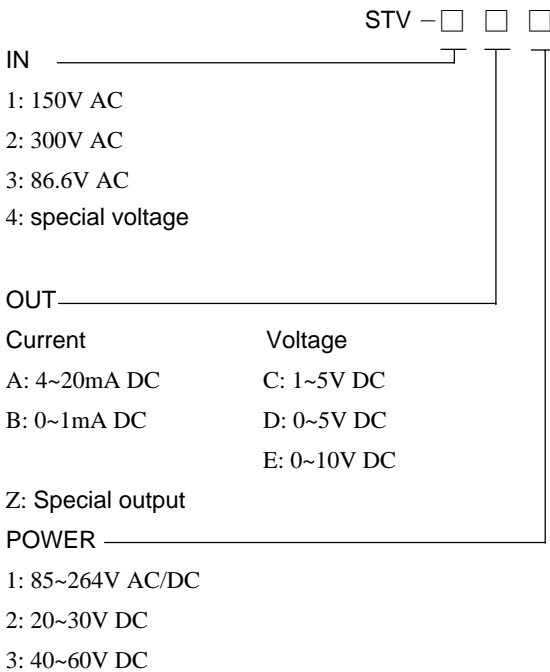
AC VOLTAGE TRANSDUCER

MODEL STV

◆ GENERAL SPECIFICATIONS

- stand-alone, terminal access at the front
- DINrail or surface mounted
- 3 way isolation
- high-density mounting, fast response

◆ MODEL



◆ ORDERING INFORMATION

Specify code number and variables. (e.g. STV-1A1)
Special output range (For code Z)

◆ INPUT

| AC voltage | Burden |
|------------|--------|
| 150V | 0.3VA |
| 300V | |
| 86.6V | |

◆ OUTPUT

DC Current

| Output | Load resistance |
|--------|-----------------|
| 4~20mA | 0~600 Ω |
| 0~1mA | 0~10k Ω |

DC Voltage

| Output | Load resistance |
|--------|-----------------|
| 1~5V | >1k |
| 0~5V | |
| 0~10V | |

◆ PERFORMANCE

- Accuracy : ± 0.2%
- Response time: 0.5second(0-90%)
- Ripple: 1% p-p max
- Insulation resistance >50M Ohms with 500V DC
Input to output to power to ground
- Dielectric strength: 2000V AC @1 minute
Input to output to power to ground
- Surge protection
Max surge voltage (Input to output to power)
≤ ± 6kv (1.2/50 μ s)
- Discharge current capacity : 2000A (± 8/20 μ s)

◆ CONSTRUCTION

- Standard : JIS C1111
- Construction : terminal access at the front
- Screw terminal M4
- Measuring Method : True RMS sensing

ST series

◆ INPUT

Overload capacity : 1.2 times of rating current continuous
 40 times for 1 second , 20 times 4 second,10 times 16 second

Voltage overload capacity: 2 times of rating voltage 10 s

◆ INSTALLATION

Auxiliary power supply : 85~264V AC/DC
 20~30V/40~60V DC
 2VA

Operating temperature : -10~+55°C

Operating humidity : 30~85%RH(no-condensing)

Impact test according to JISC0911

vertical between each side 490m/s²

3 times each direction 18 times total

Shock test according to JISC0911

vertical between each side 16.7Hz

4mm for 1 hour ,total 3 hour

Weight: 200g

Mouting : surface or DIN rail

Dimensions : W25 × H72 × D128mm

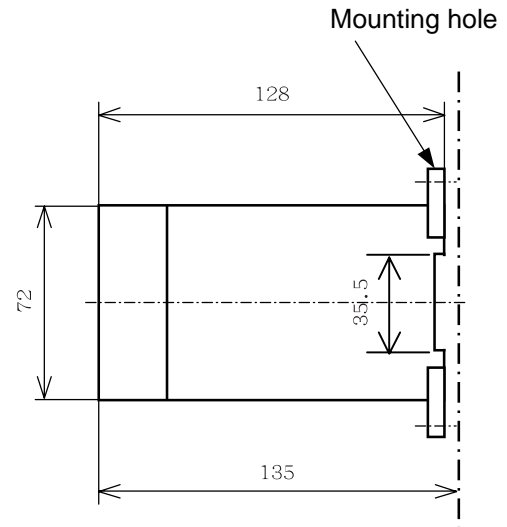
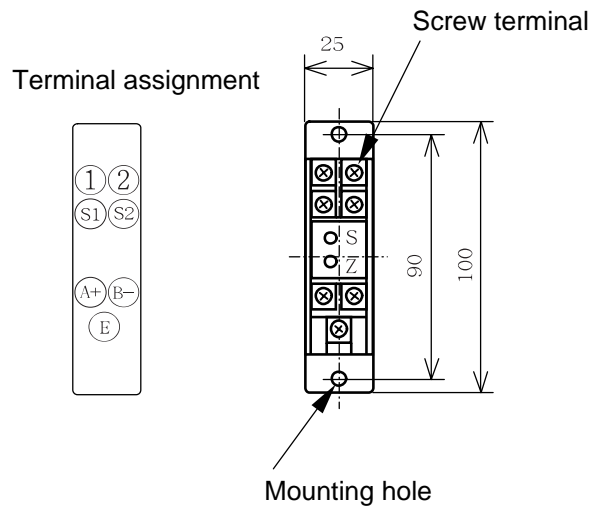
◆ Zero/Span adjustment

zero / span adjustment screw at the front panel

Zero adjustment : ± 5%

Span adjustment : ± 5%

◆ Case Dimensions



◆ Connection Diagram

