

## Rack-mounted DCS Signal Conditioners 18-RACK

### VOLTAGE GENERATOR

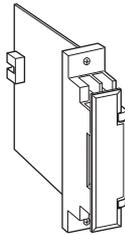
(for testing)

#### Functions & Features

- Generating DC voltage signals
- Output voltages are easily adjustable

#### Typical Applications

- Generated voltages can be used for function checks of the entire control system



### MODEL: 18YVT-066-R

#### ORDERING INFORMATION

- Code number: 18YVT-066-R

#### INPUT

0: None

#### OUTPUT 1

Voltage

6: 1 - 5 V DC (Load resistance 2000 Ω min.)

#### OUTPUT 2

Voltage

6: 1 - 5 V DC (Load resistance 2000 Ω min.)

#### POWER INPUT

DC Power

R: 24 V DC

(Operational voltage range 24 V ±10 %, ripple 10 %p-p max.)

#### GENERAL SPECIFICATIONS

**Construction:** Rack-mounted; terminal access via screw terminals on the front and connector on the rear; terminal cover provided

#### Connection

**Output 1 & 2:** Connector

**Monitor output:** M3.5 screw terminals (torque 0.8 N·m)

**Power input:** Supplied from connector

**Screw terminal:** Nickel-plated steel

**Isolation:** Output to power

(all outputs internally connected)

#### OUTPUT SPECIFICATIONS

**Output:** 1 - 5 V DC

**Output adjustment:** 270°-turn screwdriver (front)

#### INSTALLATION

**Current consumption:** Approx. 15 mA

**Operating temperature:** -5 to +55°C (23 to 131°F)

**Operating humidity:** 30 to 90 %RH (non-condensing)

**Mounting:** Standard Rack 18BX or 18KBXx

**Weight:** 150 g (0.33 lb)

#### PERFORMANCE in percentage of span

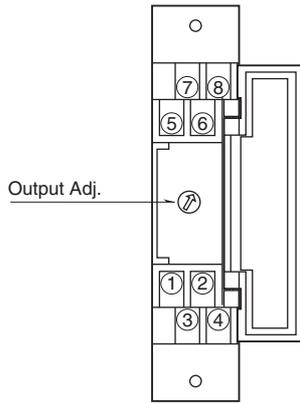
**Line voltage effect:** ±0.5 % over voltage range

**Insulation resistance:** ≥ 100 MΩ with 500 V DC

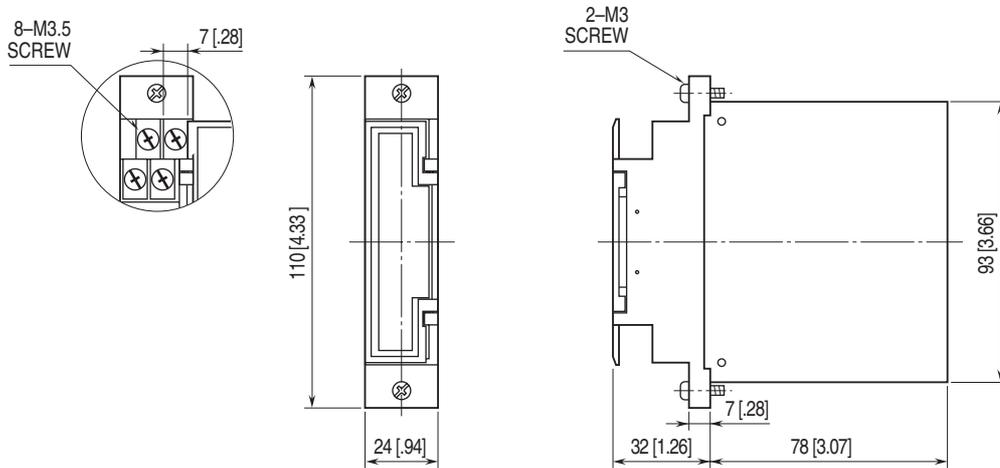
**Dielectric strength:** 500 V AC @ 1 minute (output to power)

1500 V AC @ 1 minute (output or power to ground)

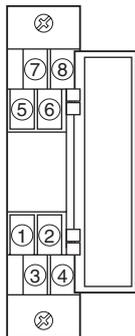
**EXTERNAL VIEW**



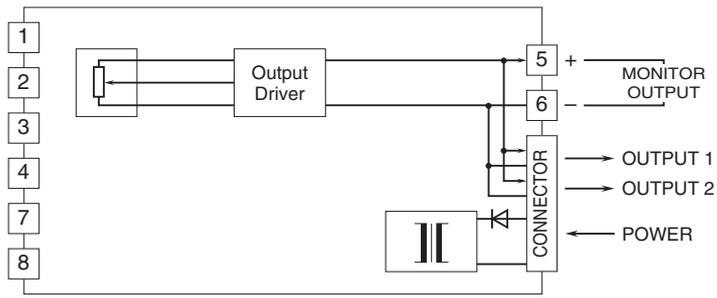
**EXTERNAL DIMENSIONS unit: mm [inch]**



**TERMINAL ASSIGNMENTS**



**SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM**



Note: Output 1, 2 and monitor outputs are all internally connected.



Specifications are subject to change without notice.