

## Rack-mounted DCS Signal Conditioners 18-RACK

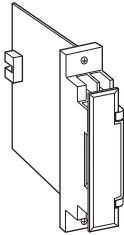
### PULSE GENERATOR (for testing)

#### Functions & Features

- Generating pulses from 50 Hz up to 6 kHz
- Output frequencies are easily adjustable

#### Typical Applications

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



### MODEL: 18APT-022-R

#### ORDERING INFORMATION

- Code number: 18APT-022-R

#### INPUT

0: None

#### OUTPUT 1

2: Open collector

#### OUTPUT 2

2: Open collector

#### POWER INPUT

##### DC Power

R: 24 V DC

(Operational voltage range 24 V  $\pm$ 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

■ **Open Collector:** 50 V DC @ 50 mA

**Frequency:** 50 Hz – 6 kHz

**Duty ratio:** 50 %

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

**Saturation voltage:** 0.5 V DC

#### INSTALLATION

##### Power consumption

• **DC:** Approx. 20 mA

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

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

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

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

#### PERFORMANCE in percentage of span

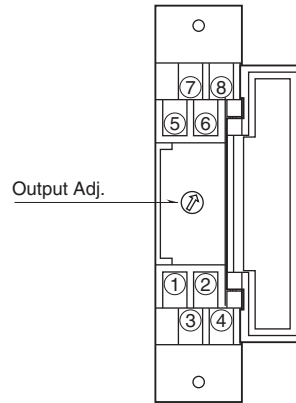
**Line voltage effect:**  $\pm$ 0.5 % over voltage range

**Insulation resistance:**  $\geq$  100 M $\Omega$  with 500 V DC

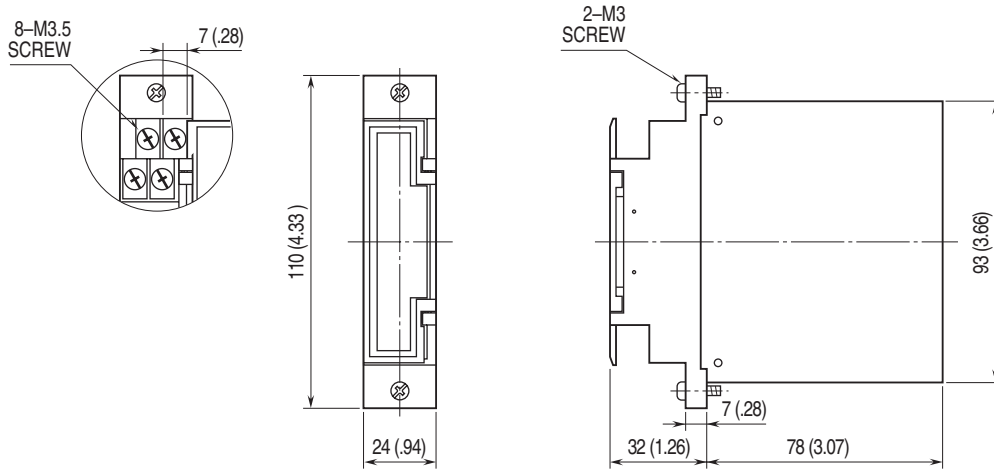
500 V AC @1 minute (output to power to ground)



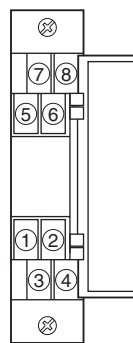
**EXTERNAL VIEW**



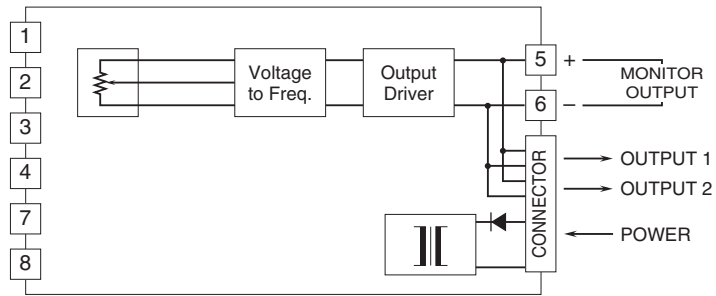
**DIMENSIONS unit: mm (inch)**



**TERMINAL ASSIGNMENTS**



**SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM**



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



Specifications are subject to change without notice.

