MODEL: 18YK

Rack-mounted DCS Signal Conditioners 18-RACK

OUTPUT ISOLATOR

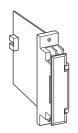
(fast response)

Functions & Features

- Converting a 1 5 V DC input into an isolated standard process signal
- Input from the Standard Rack connector can be monitored at the front terminals
- Fast response type

Typical Applications

• Isolation between control room and field instrumentation



MODEL: 18YK-6[1]-R

ORDERING INFORMATION

• Code number: 18YK-6[1]-R Specify a code from below for [1] (e.g. 18YK-66-R)

INPUT

Voltage

6: 1 – 5 V DC (Input resistance 1 $M\Omega$ min.)

[1] OUTPUT

Current

A: 4 - 20 mA DC (Load resistance 600 Ω max.)

Voltage

6: 1 – 5 V DC (Load resistance 500 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

Input: Connector

Input monitor: M3.5 screw terminals (torque 0.8 N·m) **Output**: M3.5 screw terminals (torque 0.8 N·m)

Power input: Supplied from connector **Screw terminal:** Nickel-plated steel **Isolation:** Input to output to power

Overrange output: Approx. -10 to +120 % at 1 - 5 V

Zero adjustment: -5 to +5 % (front) Span adjustment: 95 to 105 % (front)

OUTPUT SPECIFICATIONS

The output goes below 0 % when the input is open.

INSTALLATION

Power consumption

•DC:

Approx. 30 mA with voltage output Approx. 50 mA with current output

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

Accuracy: ±0.1 %

Temp. coefficient: ± 0.015 %/°C (± 0.008 %/°F) Response time: Approx. 25 msec. (0 – 90 %) Line voltage effect: ± 0.1 % over voltage range Insulation resistance: ≥ 100 MΩ with 500 V DC Dielectric strength: 1500 V AC @ 1 minute

(output to input or power)

500 V AC @ 1 minute (input to power)

1500 V AC @ 1 minute

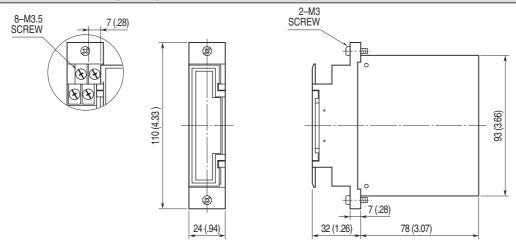
(input or output or power to ground)

TEL:(02)2598-1199 E-mail:info@xintop.com

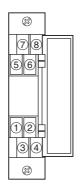
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MODEL: 18YK

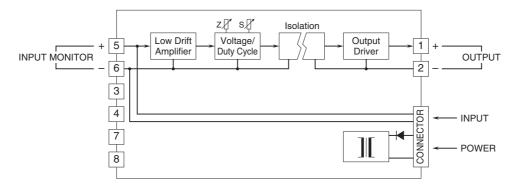
DIMENSIONS unit: mm (inch)



TERMINAL ASSIGNMENTS



SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



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Specifications are subject to change without notice.

幸託有限公司

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