Rack-mounted DCS Signal Conditioners 18-RACK

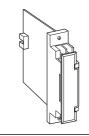
OUTPUT ISOLATOR

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

Typical Applications

• Isolation between control room and field instrumentation



MODEL: 18YS-6[1]-R

ORDERING INFORMATION

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

INPUT

Voltage **6**: 1 – 5 V DC (Input resistance 1 M Ω 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.

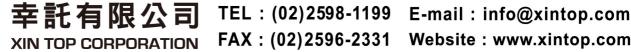
INSTALLATION

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**: $\leq 0.5 \text{ sec.} (0 - 90 \%)$ Line voltage effect: ±0.1 % over voltage range Insulation resistance: \geq 100 M Ω 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)

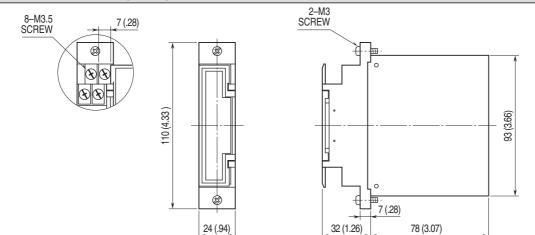




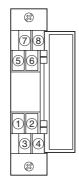
FAX: (02)2596-2331 Website: www.xintop.com

MODEL: 18YS

DIMENSIONS unit: mm (inch)



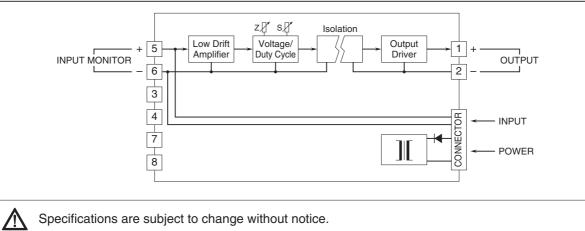
TERMINAL ASSIGNMENTS



SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM

幸託有限公司

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