ASHE CONTROLS PVT LTD
an ISO 9001:2015 certified company

TX-134

TX-Series Signal Isolating Repeater



RoHS Compliant

MAKE IN INDIA

Overview

The ASHE TX series of Signal Conditioners, Isolators, Transducers, Transmitters and Multipliers comprise a wide range of high quality and reliable instruments for the conversion, amplification, isolation and multiplication of analog and digital signals.

The instruments accept standard industrial process input signals such as DC/AC Voltage, DC/AC Current, 4 to 20 mA DC, RTD Pt-100 sensor, Thermocouple sensor, Frequency [Pulse], Resistance, etc. and provide buffered and isolated outputs with enhanced load driving capacity. The instruments find wide usage in single loop or distributed process measurement and control applications.

The new Series TX-134 Signal Isolating Multipliers measure an analog signal and convert the signal into four isolated analog signals of 4 to 20 mA DC [or as required]. The Output signals are linear with respect to the Input signal and each output is galvanically and optically isolated to a potential level of 1.5 KV RMS for one minute.

The instruments operate on 110 or 230 Volts AC mains power supply. Optional features include higher load driving capability, digital indication facility, control relay outputs, two-wire operation with auxiliary power output, etc.

The instruments are available in compact industrial grade enclosures in DIN Rail / Wall-mounting execution, or optionally in IP65 protected field mount weather-proof enclosure, or in CIMFR certified explosion-proof enclosures. Absence of any moving parts provides these instruments inherent advantages like immunity to mechanical shocks, dust, ambient temperature, humidity and corrosive atmosphere.

This product is backed by a full two-year warranty, covering all manufacturing defects and workmanship issues under normal operating conditions.

Specifications

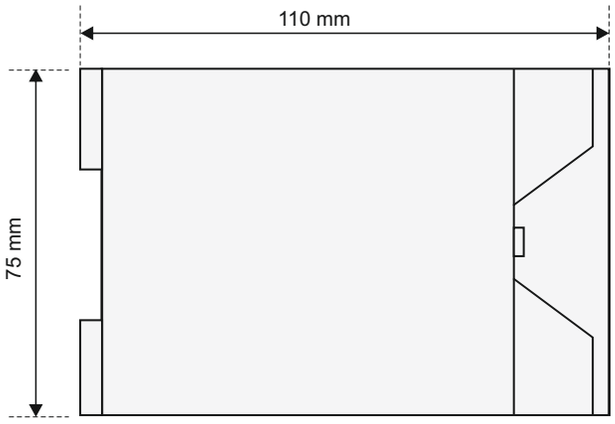
Model	ASHE TX-134.
Type	Analog Signal Isolating Multiplier (Repeater).
Principle	Optical Isolation, Signal Conditioning and Amplification.
Input Signal	4 to 20 mA DC [or as required].
Output Signals	Four isolated and buffered outputs of 4 to 20 mA DC [or as required].
Load Driving Capacity	600 Ohms for each output.
Linearity	± 0.1%.
Isolation	Between Input // Outputs // Power Supply.
Isolation Type	Optical and Galvanic.
Isolation Level	1.5 kV RMS for one minute.
Output Protection	Short / Open Circuit protection.
Calibration Facility	Zero and Span settings (external).
Accuracy	± 0.1%.
Indication	Red LED for Power On.
Power Supply	110 V AC or 230 V AC, 50 Hz.
Dimensions	75 x 100 x 110 mm. [H x W x D].
Execution	DIN-Rail / Rear panel mounting.
Enclosure	Industrial grade ABS.
Weight	Approximately 0.4 Kgs.
Operating Temperature	0 to 55°C.

Features

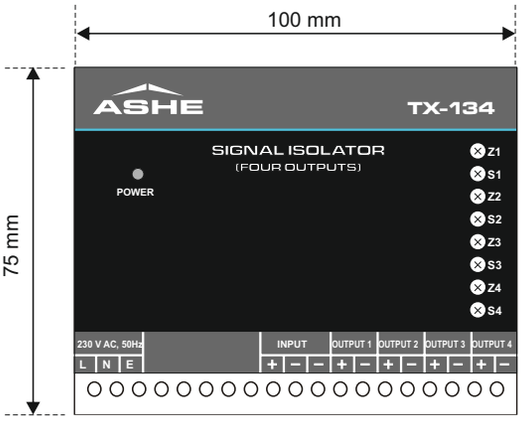
- Optical & Galvanic Isolation between Input, Outputs & Power Supply
- High accuracy and linearity to input signal
- Very low power consumption and heat dissipation
- Options of multiple (upto four) isolated outputs
- High load driving capacity of retransmitted signal
- Configurable output option of current / voltage
- Short-circuit / Open-circuit protection of outputs
- Front accessible Zero and Span calibration for all channels
- Digital Indication option with/without control relay outputs
- Auxiliary power for two-wire transmitters
- Rugged, industrial grade ABS enclosure
- Panel / Field / Hazardous area installation in IP66 execution
- Current limiting for I/O protection
- Customized outputs offered
- Two-year Performance Warranty
- Proven track record of successful site installations

www.ashecontrols.com • Phone : (022) 2405 1561, 2405 5791, 2405 5543 • E-mail : sales@ashecontrols.com

Dimensional Diagram



SIDE VIEW



FRONT VIEW

How To Order

	SIGNAL REPEATER (four channel)	**TX-134**					
	Configuration and add-on options						
1	**POWER SUPPLY**						
▸	AC Voltage, 110 VAC, 50 Hz		H				
▸	AC Voltage, 230 VAC, 50 Hz		A				
▸	DC Voltage 24 VDC		D				
2	**INPUT SIGNAL**						
▸	DC Current (4 to 20 mA DC)				L		
▸	DC Voltage (to be specified)				V		
▸	RTD Pt-100 sensor				R		
▸	Thermocouple sensor				T		
▸	Resistance (range to be specified)				E		
3	**OUTPUT SIGNAL**						
▸	DC Current (4 to 20 mA DC)						L
▸	DC Voltage (to be specified)						V

Our Other Products


FLOW TOTALIZER


SIGNAL ISOLATORS & TRANSDUCERS


TEMPERATURE SCANNER


FLAMEPROOF INSTRUMENTS


STATIC POWER SWITCHES

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Designed and Manufactured by :
ASHE CONTROLS PRIVATE LIMITED
6/317, 318 & 319, Jogani Industrial Complex, Near ATI, Sion-Trombay Road, Chunabhatti (East), Mumbai - 400 022, India.
Phone : (022) 2405 1561, 2405 5791, 2405 5543 • E-mail : sales@ashecontrols.com • Website: http://www.ashecontrols.com