ASHE CONTROLS PVT LTD
an ISO 9001:2015 certified company

TX-434

TX-Series 4 Channel Signal Isolators/Repeaters



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 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-434 Signal Isolators and Multipliers measure one or more analog signal and convert the signals into isolated analog output signals of 4 to 20 mA DC. The Output signals are linear with respect to the Input signal and each output is galvanically and optically isolated to a level of 3KV RMS for one minute from the input signal and power supply.

The instruments operate on 24 VDC power supply. An aux power supply output of 24 VDC to power external transmitter is available.

The instruments are available in slim & compact industrial grade enclosures in DIN Rail / Wall-mounting execution, or optionally in ingress protected field mount weather-proof enclosures, 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

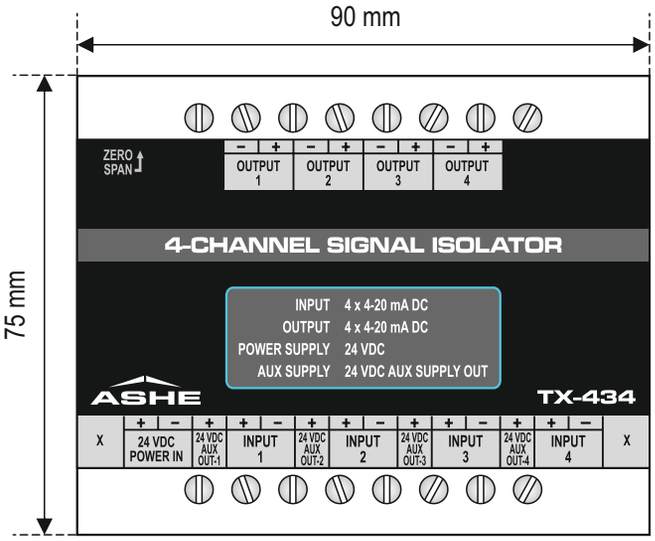
Model	ASHE TX-434.
Type	Microcontroller based multi-channel Analog signal isolation, buffering and amplification.
Input Signals	Four nos analog signals (0 to 10 VDC, 4 to 20 mA DC, etc. - to be specified).
Output Signal	Four nos. isolated linear signals of 4 to 20 mA DC.
Accuracy	±0.1% each.
Isolation	Between Input // Output // Power Supply and between channels.
Isolation Type	Optical and Galvanic.
Isolation Level	3 KV RMS for 1 minute.
Calibration	Zero and Span settings for each channel (external – through potentiometer).
Power Supply	24 VDC.
Auxiliary Supply Out	Four 24 VDC power sources for external transmitters.
Dimensions	90 x 75 x 50 mm (W x H x D).
Execution	DIN Rail / Wall mounting.
Humidity	Upto 90% RH.
Enclosure	Industrial grade ABS.
Operating Temp	0 to 55°C.

Features

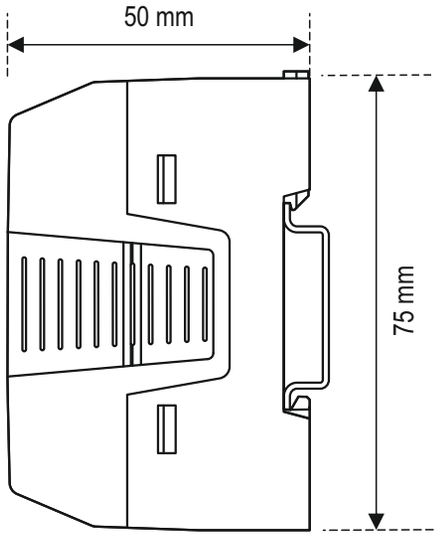
- Optical & Galvanic Isolation between Input, Outputs & Power Supply
- High accuracy and linearity to input signal
- Very low power consumption and heat dissipation
- High load driving capacity of retransmitted signal
- Input signal options of Current / Voltage
- Externally accessible Zero and Span calibration for all channels
- DC Power Supply operation
- Rugged, industrial grade ABS enclosure
- Panel / Field / Hazardous area installation in IP66 execution (optional)
- Current limiting for I/O protection
- Two-year Performance Warranty
- Proven track record of successful site installations

TX-Series 4 Channel Signal Isolator/Repeaters

Dimensional Diagram



FRONT VIEW



SIDE VIEW

How To Order

	4 CHANNEL SIGNAL ISOLATORS	**TX-434**					
	Configuration and add-on options						
1	**POWER SUPPLY**						
▸	DC Voltage 24 VDC		D				
2	**INPUT SIGNAL**						
▸	DC Current (4 to 20 mA DC)			L			
▸	DC Voltage (to be Specified)			V			
3	**OUTPUT SIGNAL**						
▸	DC Current (4 to 20 mA DC)				L		
4	**Aux 24 vdc output**						
▸	Aux 24 VDC Required					Q	
▸	Aux 24 VDC Not Required					N	

Our Other Products


FLOW TOTALIZER


SIGNAL ISOLATORS & TRANSDUCERS


TEMPERATURE SCANNER


FLAMEPROOF INSTRUMENTS


STATIC POWER SWITCHES

Designed and Manufactured by:
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