

# Trusted 40 Channel Analogue FTA Non-Incendive

## Product Overview

The Trusted® 40 Channel Analogue Input Field Termination Assembly (FTA) Non-Incendive T8831 is designed to act as the main interface between a non-incendive field device in a hazardous area generating an analogue signal and the Trusted TMR Analogue Input Module T8431.

## Features:

- 40 input channels per FTA.
- Industry standard field device connections (2-wire).
- Limited power for connection to non-incendive field wiring.
- Standard DIN rail compatibility.
- Simple installation and connection.
- 24 Vdc operation.
- Fused field power supply per channel.
- On-board Light Emitting Diode (LED) indication field power supply integrity.

## 5. Specifications

Voltage Range	18 Vdc to 32 Vdc
Maximum Normal Output Current $I_{sc}$ (Field Supply)	81 mA
Maximum Normal Output Voltage $V_{oc}$ (Field Supply)	32 V as voltage range above
Maximum External Capacitance $C_a$	5 $\mu$ F for methane 0.3 $\mu$ F for groups A and B in accordance with AANSI/ISA 12.12.01-2000
Maximum External Inductance $L_a$	10 mH for methane or group B in accordance with AANSI/ISA 12.12.01-2000
Operating Temperature	0 °C to +60 °C (+32 °F to +140 °F)
Non-operating Temperature	-25 °C to +70 °C (-13 °F to +158 °F)
Relative Humidity range (operating, storage and transport)	10 % – 95 %, non-condensing
Environmental Specifications	<a href="#">Refer to Document 552517</a>
<b>Dimensions</b>	
Height	111 mm (4.4 in)
Width	335 mm (13.2 in)
Depth	51 mm (2 in)
Weight	900 g (2 lb)