

## STEC SERIAL TO ETHERNET CONVERTER

INTEGRATED COMMUNICATION SYSTEMS

### Applications

Ampcontrol's STEC Serial to Ethernet Converter is a reliable, protocol insensitive means of converting communications from serial control devices using an RS-422 or RS-485 interface to computer hosts running TCP or UDP on an Ethernet network.

As serial only networks become less common and many control devices do not have a network port, the STEC provides the ideal way to connect your existing serial network to an Ethernet network while minimising costs incurred by down time and interference to production.

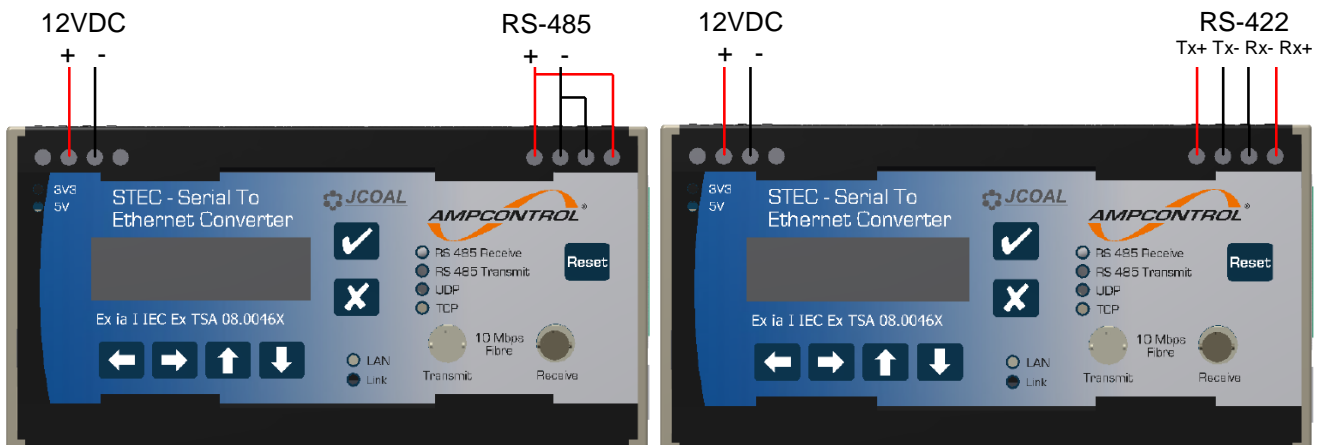


Certified intrinsically safe to IEC Ex ia standards for use in Group I Zone 0 Hazardous Areas.

### Features

- Certified Intrinsically Safe – Ex ia
- Protocol Insensitive
- Multi-Mode Fibre Ethernet
- Inbuilt HTTP Configuration Server
- Standard DIN-Rail & Foot Mounting
- LCD Display
- RS-422/485 Multi-Drop Device Support

### Connection Diagram



## Typical Network Arrangement



### Specifications

#### Electrical

Supply Voltage	10-13.0VDC
Maximum Current	380mA
Optical Wavelength	820nm
Approval	IECEX TSA 08.0046X

#### Ethernet Communications

Protocols	TCP, UDP
Compatibility	IEEE 802.3u
Speed	10Mbps
Media	Fibre
Connectors	ST (Fibre Optic Straight Tip)

#### Serial Communications

Type	RS-422/485
Connectors	Screw Terminal
Ports	1
Data Bits	7,8
Stop Bits	1,2
Baud Rate	300bps-115.2kbps
RS-422 Data Signals	TxD+, TxD-, RxD+, RxD-
RS-485 Data Signals	Data+, Data-

#### Mechanical

Dimensions (HxWxD)	75x149x61mm
Ingress Protection	IP20
Housing Material	PC (30% GV), UL 94V-1
Temperature	-20°C to +60°C
Humidity	0-95% RH, non-condensing

### Ordering Information

Part Number	Description
139822	STEC – MULTI MODE FIBRE