

Technical Data

Connections

Wiring Options	
Field side	Fixed screw terminals
Control side	56-pin ELCO style connector
RS-485	Removable screw terminals
Power	Removable screw terminals

Electrical

Mounting	20 – 30 VDC
Power consumption	0.7 W
Power fuse	315mA, 5x20mm
DC isolation of HART	30 VDC

Mechanical

Mounting	T type (EN 50022, DIN462777-3) or G type (EN 50035, DIN462777-1) DIN rail
Signal Channels	Up to 32 unbalanced signal loops
Communication port	RS-485, differential pair plus GND
Communication speed	9600 or 19200 baud
Max. Conductor diameter	16 AWG (2.5mm ²)
Weight	18 oz. (510 g)
Dimensions	13.1" x 4.9" x 3.1" (L x W x H) w/o mux (333mm" x 125mm x 79mm) 13.1" x 4.9" x 8.2" (L x W x H) w mux (333mm" x 125mm x 208mm)

Environmental

Operating Temperature Range	0°C to 55°C (32°F to 131°F)
Relative Humidity	5 to 90% non-condensing

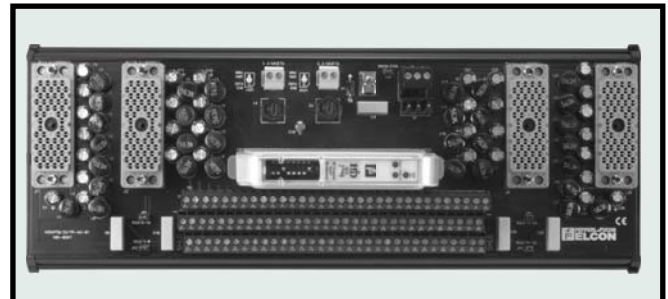
Triconex I/O Interface

3805E	
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Installation Instruction

Product installation manual	www.elconhis.com/customized-triconex.html
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HART Interface Solutions



Model Number
HPTB/32/TR-AO-01

- Triconex 3805E replacement FTA
- 32 channels of I/O
- Short circuit protected
- HART analog output filters

The HPTB/32/TR-AO-01 is designed for easy 2700 multiplexer integration with Tricon 9 3805E system. With the 2700 Mux integrated into the board and plug-n-play option for the DCS equipment, this provides a very clean access to the HART signals, while reducing the need for marshalling cabinets and reducing equipment that require extra cabinet space. The HART termination board provides a robust solution for on-line HART communications, interfaces up to 32 field located HART devices, and it allows the user to replace the standard DCS field termination panels.

