Temperature Controllers
Since 1972

TEC Accessories

DIN Rail/Surface Mount Adapter for 1/16 DIN Controls

Cutout for Control – 45 mm/1.772” square
Maximum DIN Control Depth – 120 mm/4.72”
Material – Fire Retardant Polycarbonate GE Lexan® 940
Part Number: TEC99920

Part Number: TEC99922 (sold per piece)
1/16 DIN – Fits Controller Models:
TEC-9090, TEC-910, TEC-920, TEC-901, TEC-902, TEC-905

Part Number: TEC99921 (sold per piece)
1/8 and 1/4 DIN – Fits Controller Models:
TEC-8100, TEC-8300, TEC-805, TEC-4100, TEC-4300, TEC-401, TEC-402, TEC-404, TEC-405, TEC-4500

Polycarbonate Touchsafe Terminal Covers

Adapt a 1/16 DIN cut-out to a 1/16 DIN cut-out.

Adapter Plates

18 gauge Stainless Steel Adapter Plates with (4) #8 self-tapping sheet metal screws for mounting

Model TEC 99999 Current Transformer/Transducer for use with Heater Break Alarm

Design Features
- High Accuracy: ± 2% of Reading ± 0.2A
- Wide Measuring Range: 0 – 50 Amps AC
- DC Voltage Output: 0 – 5 VDC
- 35 mm DIN Rail Mount or Surface Mount
- 7/16” (12.5mm) diameter maximum cable size

Note:
1 required for 1 Phase — 50A Max.
3 required for 3 Phase — 100A Nominal Max.

Polycarbonate Touchsafe Terminal Covers

Part Number: TEC99921 (sold per piece)
1/8 and 1/4 DIN – Fits Controller Models:
TEC-8100, TEC-8300, TEC-805, TEC-4100, TEC-4300, TEC-401, TEC-402, TEC-404, TEC-405, TEC-4500

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Data Communication Accessories

**TEC99001** — Smart Network Adapter for third party SCADA software which converts 255 channels of RS-485 or RS-422 to RS-232 Network.

**TEC99003** — Smart Network Adapter for connecting the TEC controller’s programming port to the RS-232 PC serial port. Allows downloading and reading of configuration information directly from a personal computer. Can be used with TEC-220, TEC-410, TEC-910, TEC-920, TEC-2500, TEC-4100, TEC-4300, TEC-4500, TEC-7100, TEC-8100, TEC-8300, TEC-9100, TEC-9300, TEC-9500 and TBC-41.

**TEC99030** — "Tempco Config Set" PC software for use with TEC99003 Smart Network Adapter

**Minimum Requirements**
- **System:** IBM PC compatible computer with Intel Pentium IV or above
- **Operating System:** Microsoft Windows XP or above
- **Memory:** 256 MB
- **Hard Disk:** 50 GB Free Space on the hard disk
- **Communication Ports:** RS232, RS485 or USB Port

**Note:** Can be downloaded at no charge from www.tempco.com

**Programmable Port Cables**

**TEC99011** — Used for models TEC-220, TEC-4100, TEC-7100, TEC-8100 and TEC-9100.

**TEC99012** — Used for model TEC-920 only.

**TEC99013** — Used for models TEC-2500, TEC-4300, TEC-8300 and TEC-9300.


**Specs**

**Part Number TEC99927 — Converter Connects RS232/RS422/RS485 Devices To PC Via USB Port**

**Part Number TEC99928 — Converter Connects RS422/RS485 Devices To PC Via USB Port**

**Specifications TEC99927**

**USB**
- **Version:** 900/1800 MHz, dual band
- **Connector:** USB type B
- **Speed:** 12 Mbps

**Serial Interface**
- **Number of Ports:** 1
  - **RS-232:** TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
  - **RS-422:** TxD+(B), TxD-(A), RxD+(B), RxD-(A), GND
  - **RS-485:** 4-wire: TxD+(B), TxD-(A), RxD+(B), RxD-(A), GND
    - 2-wire: Data+(B), Data-(A), GND
- **Connector:** Male DB9
- **FIFO:** 64 bytes
- **Serial Line Protection:** 15 KV ESD for all signals

**Serial Communications Parameters**
- **Parity:** None, Even, Odd, Space, Mark
- **Data Bits:** 5, 6, 7, 8
- **Stop Bits:** 1, 1.5, 2
- **Flow Control:** RTS/CTS, XON/XOFF
- **Speed:** 50 bps to 921.6 Kbps

**Power Requirements**
- **Power Consumption:** 30 mA@5 VDC

**Mechanical**
- **Dimensions:** 37.5 x 20.5 x 60 mm (L x W x H)

**Specifications TEC99928**

**Chipset:** Silicon Laboratories CP2102

**Compliant:** USB 1.0, 1.1, 2.0

**Connector:** USB type A

**Baud Rates:** Full Speed 12 Mbps

**View Product Inventory @ www.tempco.com**
**Temperature Controllers**

**RS232/485 To Ethernet Converter**

Tempco Ethernet converter / Gateway is capable of linking any serial (RS-232 or RS485) devices to your computer network via Ethernet for remote access, control, and/or monitoring purposes. Works with Tempco electronics (controllers, data loggers, etc.) using our Data Acquisition Software (Part Number TEC99923).

**Part Number TEC99930**

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**Design Features**

* Serial to Ethernet communication
* DIN Rail/Panel Mount
* COM1: RS232/RS485, RJ45 for Ethernet connectivity
* Application: Connects IO modules, controllers, and HMIs to an Ethernet Network
* Function: Transparent data link or Gateway to convert Modbus RTU to Modbus TCP messages
* Supports Multiple sockets and enables up to 4 Masters to communicate with slaves connected to PC-E converter
* Web server for Configuration

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**Specifications**

**Power Supply:** 90mA @ 10VDC / 40mA @ 26VDC

**Ethernet:** 10/100 Mbits, Connector RJ45

**Maximum Ambient Temperature:** 257°F / 125°C

**Serial:** RS232, 3 Wire, TX, RX & GND
  - RS485, 2 Wire Multi drop twisted pair
  - Baud Rate: 2400, 4800, 9600, 19200, 38400, 57600, 115200
  - Communication Settings: Data Bits: 5, 6, 7, 8
    - Parity: None, Even, Odd
    - Stop Bits: 1, 2

**Operating Temperature:** -10°C to + 50°C

**Storage Temperature:** -40°C to + 85°C

**Connectors:** Power and Communication: 8 way screw connector

**Protection Class:** IP20

**Humidity:** Up to 95% non-condensing

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