T-PRO 4500 Transformer Protection Relay

Ordering Template

In order to specify and order an ERLPhase T-PRO 4500 relay properly configured for the application, a part number must be constructed as indicated below:

T-PRO aaaa - b - c - d - e - f - g - h - i - j - k

aaaa — Model:

- **4500**

b — Enclosure:

- **1:** E12 Case – Flush mount
- **2:** 19" Case – Rack mount

c — Analog Channels:

- **A:** 7VT + 11CT

d — Auxiliary Supply & External Input Rating:

- **1:** Auxiliary supply – 20 to 60 V_{dc}, external input – 24 V_{dc}
- **2:** Auxiliary supply – 20 to 60 V_{dc}, external input – 48 V_{dc}
- **3:** Auxiliary supply – 80 to 300 V_{dc} / 80 to 250 V_{ac}, external input – 110 V_{dc}
- **4:** Auxiliary supply – 80 to 300 V_{dc} / 80 to 250 V_{ac}, external input – 220 V_{dc}

e — Number of Inputs & Outputs:

- **A:** 8 External inputs, 8 relay outputs
- **B:** 16 External inputs, 16 relay outputs
- **C:** 16 External inputs, 24 relay outputs
- **D:** 24 External inputs, 32 relay outputs

f — Communication Ports:

- **1:** Redundant Ethernet port (100BASE-T, RJ45, PRP)
- **2:** Redundant Ethernet port (100BASE-FX, ST, PRP)
- **3:** One Ethernet port (100BASE-T, RJ45)
- **4:** One Ethernet port (100BASE-FX, ST)

g — Frequency:

- **A:** 50 Hz
- **B:** 60 Hz

h — Conformal Coating:

- **2:** Standard protective coating: resist humidity, dirt, dust and pollution

i — Custom Firmware Request:

- **0:** Latest version (default)
- **1:** Custom version (please specify firmware version number)

j — Custom Hardware Request:

- **0:** No special build instructions (default)
- **1:** Special build instructions (please specify special instructions)

k — Configuration ID:

- **B:** Internal use

Ordering Code Example	**T-PRO 4500**	**1**	**A**	**3**	**D**	**3**	**A**	**2**	**0**	**0**	**B**
Enclosure - E12 Case – Flush mount											
Analog Channels - 7VT + 11CT											
Auxiliary Supply - 80 to 300 V_{dc} / 80 to 250 V_{ac} External Input – 110 V_{dc}											
Number of Inputs & Outputs - 24 External inputs, 32 relay outputs											
Communication Ports - one Ethernet port (100BASE-T, RJ45)											
Frequency - 50 Hz											
Conformal Coating - Standard protective coating: resist humidity, dirt, dust and pollution											
Custom Firmware Request - Latest Version (default)											
Custom Hardware Request - No special build instructions (default)											
Configuration ID - Internal Use											

Standard Functions & Features:

- 1A (or) 5A CT secondary input is site selectable
- Disturbance Recorder, Trend Records, Sequence of Events, Metering, ProLogic™, Trip Circuit Supervision
- Front USB port and rear serial RS485 port
- Modbus (or) DNP3.0 are supported over RS485 port, DNP3.0 (or) IEC 61850 are supported over Ethernet
- IRIG-B (or) SNTP for time sync

Manuals:

The latest version of the manuals can also be downloaded from our website:

http://www.erlphase.com/support.php?ID=documents. If you do wish to purchase a hard copy manual, you may order that using the part number below.

<Part #117695> T-PRO 4500 User Manual

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The specifications and product information contained in this document are subject to change without notice. In case of inconsistencies between documents, the version at www.erlphase.com will be considered correct. (D05118R08)