

# TESLA 4000 Power System Recorder

## Order Template

In order to specify and order an ERLPhase TESLA 4000 properly configured for the application, a part number must be constructed as indicated below:

**TESLA 4000      aa - bb - c - d - e - ff - g - h - i - j - k**

### aa: Input Channels:

- 18: 18 analog inputs, 32 digital inputs, 4 digital outputs
- 36: 36 analog inputs, 64 digital inputs, 8 digital outputs

### bb: Flash Memory:

- 04: 4G flash memory (default)
- 16: 16G flash memory

### c: Internal Modem:

This selection is only available if no redundancy option (0 in "d") is chosen

- 0: No internal modem (default)
- 1: Factory installed modem

### d: LAN Redundancy Selection

Network port redundancy on rear Ethernet port 401 is available as an option. If redundancy is required, select between RSTP, PRP or HSR redundancy protocols.

- 0: No redundancy (default)
- 1: RSTP Redundancy on Ethernet ports 401 and 411 (Internal modem not available if selected)
- 2: PRP Redundancy on Ethernet ports 401 and 411 (Internal modem not available if selected)
- 3: HSR Redundancy on Ethernet ports 401 and 411 (Internal modem not available if selected)

### e: LAN Media Selection

Selections 0, 1 and 2 are available if "no redundancy option 0 is selected in "d".

- 0: Cu - Op => port 401 = 100BASE-T (RJ45), port 402 = 100BASE-FX (multimode, 1300 nm, ST)
- 1: Op - Op => port 401 & 402 = 100BASE-FX (multimode, 1300 nm, ST)
- 2: Cu - Cu => port 401 & 402 = 100BASE-T (RJ45)

Selections 3 and 4 are available only if a redundancy option is selected in "d".

- 3: Cu - Op => port 401 & 411 = 100BASE-T (RJ45), port 402 = 100BASE-FX (multimode, 1300 nm, LC)
- 4: Op - Op => port 401 & 411 = 100BASE-FX (multimode, 1300 nm, LC), port 402 = 100BASE-FX (multimode, 1300 nm, LC)

### ff: Operating Frequency:

- 50: 50 Hertz
- 60: 60 Hertz

### g: CE conformance:

TESLA external inputs and outputs are rated to 300 V<sub>dc</sub>. However, for CE compliance applications external input and output contacts are restricted to below 150 V<sub>dc</sub>. This restriction is printed on the rear label of CE compliant labeled units.

- 0: Not CE marked (Upper limit of 300 V<sub>dc</sub> on External Inputs) (default)
- 1: CE marked (Upper limit of 150 V<sub>dc</sub> on External Inputs)



### **h: Conformal Coating:**

- 0: Not conformal coated (default)
- 1: Conformal coating for corrosive environments

### **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: This is a reserved character in the order string for internal purposes only.**

**Example:** TESLA 4000 (36-04-0-0-1-60-0-0-0-0-A)

This part number specifies a TESLA 4000 recorder with 36 analog inputs, 64 digital input, 8 digital outputs, 4GB of internal flash memory, no internal modem, no network redundancy option, two rear 100BASE-FX Ethernet ports, suitable for operation in a 60 Hertz system, with no CE mark requirements.

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### **Manuals:**

The latest version of the manuals can 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 # 109308>                      TESLA 4000 User Manual

### **ERLPhase Power Technologies**

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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](http://www.erlphase.com) will be considered correct. (D02667R16)