

**Variable Transformers
Series 500 • 5.0 Amperes**



500 Series

Versatility, compactness and durability are included in the many designed-in features of the STACO 501C Series Variable Transformers. These transformers operate from 120 volt input lines and are rated at 5 amperes for constant current loads and 7 amperes for constant impedance loads at line voltage. The coil tapping arrangement permits output voltage of 0 to line voltage or 17% above line voltage on constant current line conditions. This unit's Faston® terminals are easily converted to screw connections with the terminal adapter kits supplied with each unit.

The STACO 511 is ideal for OEM applications with its panel mount, fixed shaft design and even smaller envelope than the

501C. it can be single point or four point mounted. The four point mounting is the same as the 501-C.

Either unit can be operated from 50-2000 hertz without derating.

Motor driven units are available and identified by the prefix "M" in the type number. The synchronous motor is designed for operation on 120 volt, 50/60 Hertz single phase lines and draws approximately 0.3 amperes. If a motor driven model is ordered, be sure to prefix the part number with the desired travel time from 0 to maximum of 5, 15, 30, or 60 seconds.

| PART NO. | WIRING | INPUT | | OUTPUT | | | | SHAFT ROTATION FOR VOLTAGE INCREASE | TERMINAL CONNECTIONS (For increasing Voltage) As Viewed from Base End | | | SCHEMATIC (Pg 8 & 9) | NET WT. LBS. | (Max) MOTOR DRIVEN | |
|--------------------|--------------------------|-----------|-------|--------|-----------------------|---------|-------------------------|-------------------------------------|---|------------------------|--------|----------------------|--------------|--------------------|---------|
| | | VOLTS | HERTZ | VOLTS | CONSTANT CURRENT LOAD | | CONSTANT IMPEDANCE LOAD | | Input | Jumper* | Output | | | | |
| | | | | | MAX AMPS | MAX KVA | MAX AMPS | | | | | | | | MAX KVA |
| 501C M501C+ | Single Phase | 120 | 50/60 | 0-120 | 5.0 | 0.60 | 7.0 | 0.84 | CW | 1-4 | — | 4-3 | 10 | 5 1/4 | 12 |
| | | | | 0-140 | 5.0 | 0.70 | — | — | CCW | 1-4 | — | 1-3 | | | |
| | | | | | | | | | CW | 4-5 | — | 4-3 | | | |
| | | | | | | | | | CCW | 1-2 | — | 1-3 | | | |
| 501C-2 M501C-2+ | Single Phase Series | 240 | 50/60 | 0-240 | 5.0 | 1.2 | 7.0 | 1.68 | CW | 1-1 | 4-4 | 3-3 | 10 & 4 | 11 1/2 | 20 |
| | | | | 0-280 | 5.0 | 1.4 | — | — | CCW | 4-4 | 1-1 | 3-3 | | | |
| | | | | | | | | | CW | 5-5 | 4-4 | 3-3 | | | |
| | | | | | | | | | CCW | 2-2 | 1-1 | 3-3 | | | |
| | Three Phase Open Deltart | 120 ++ | 50/60 | 0-120 | 5.0 | 1.04 | 7.0 | 1.46 | CW | 1-4-1 | 4-4 | 3-4-3 | 10 & 5 | 15 1/2 | 26 |
| | | | | 0-140 | 5.0 | 1-21 | — | — | CCW | 4-1-4 | 1-1 | 3-1-3 | | | |
| | | | | | | | | | CW | 5-4-5 | 4-4 | 3-4-3 | | | |
| | | | | | | | | | CCW | 2-1-2 | 1-1 | 3-1-3 | | | |
| 501C-3 M501C-3+ | Three Phase Wye | 240 ++ | 50/60 | 0-240 | 5.0 | 2.08 | 7.0 | 2.91 | CW | 1-1-1 | 4-4-4 | 3-3-3 | 10 & 6 | 15 1/2 | 26 |
| | | | 60 | 0-280 | 5.0 | 2.43 | — | — | CCW | 4-4-4 | 1-1-1 | 3-3-3 | | | |
| | | | | | | | CW | 5-5-5 | 4-4-4 | 3-3-3 | | | | | |
| | | | | | | | CCW | 2-2-2 | 1-1-1 | 3-3-3 | | | | | |
| 3PN501B | Single Phase | 120 | 50/60 | 0-140 | 5.0 ‡ | 0.70 | — | — | CW | LINE CORD & RECEPTACLE | | | 3 | 7 3/4 | |
| 511 | Single Phase | 120 | 50/60 | 0-120 | 5.0 | 0.60 | 7.0 | 0.84 | CW | 1-4 | — | 4-3 | 8 | 4 1/2 | |
| | | | | 0-140 | 5.0 | 0.70 | — | — | CCW | 4-2 | — | 4-4 | | | |

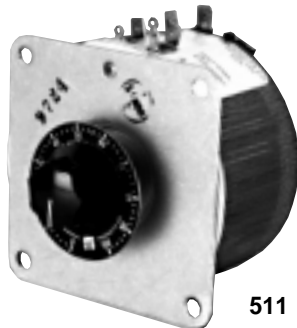
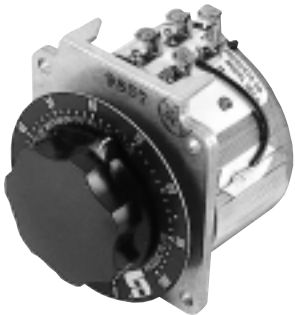
‡ Unit is fused for the constant current rating at the factory.

• Jumper provided in the standard common position and should be moved or removed as required.

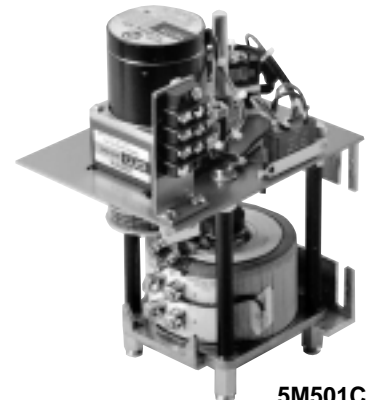
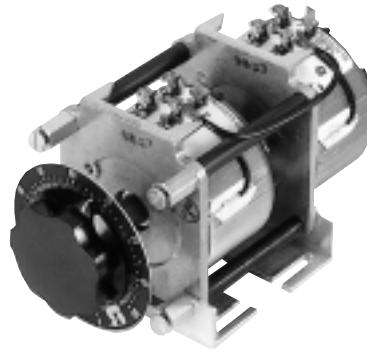
++ Line to line voltage

†† If ganged units are used in a system that ordinarily has a common neutral or ground between source and load, the neutral or ground must be connected to the common terminals of the variable transformer assembly. If the system has no neutral, the load must be balanced or the transformers will be damaged.

+ Motor driven units use terminal connections for CCW increasing voltage as viewed from the base end. See figure 23 on page 9 for motor wiring.

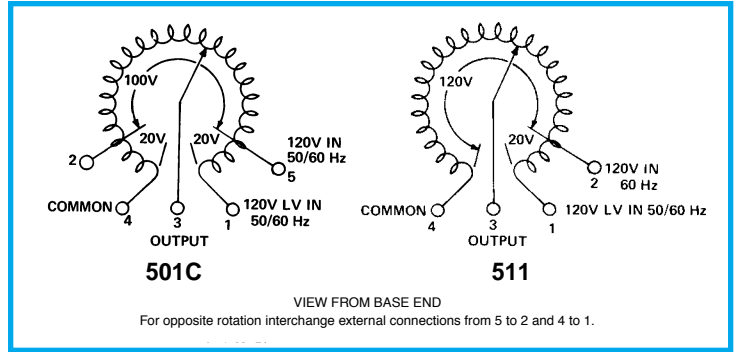
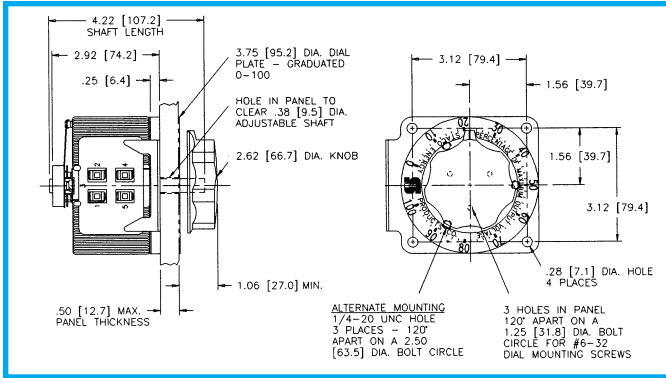


511

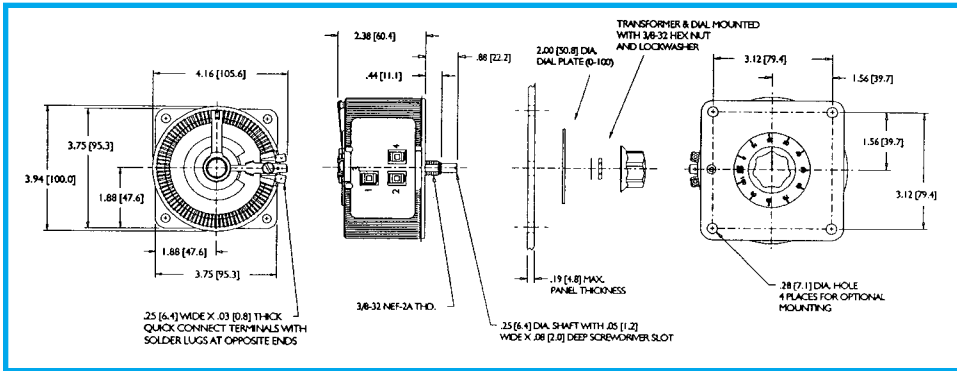


5M501C

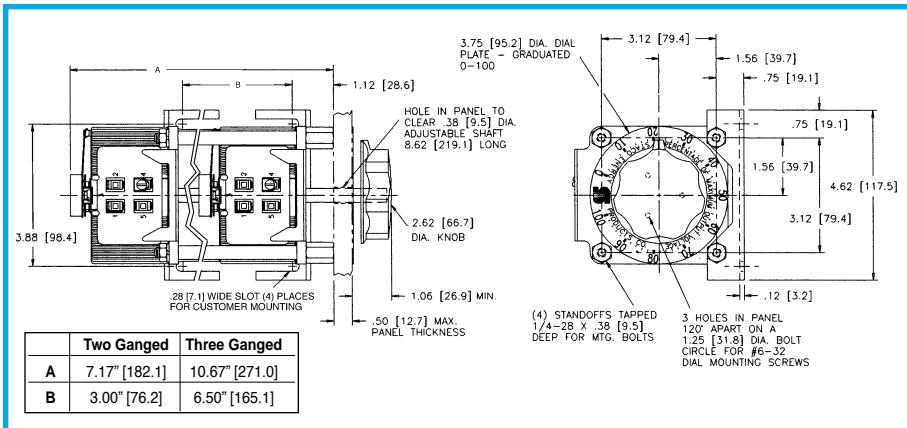
500 Series



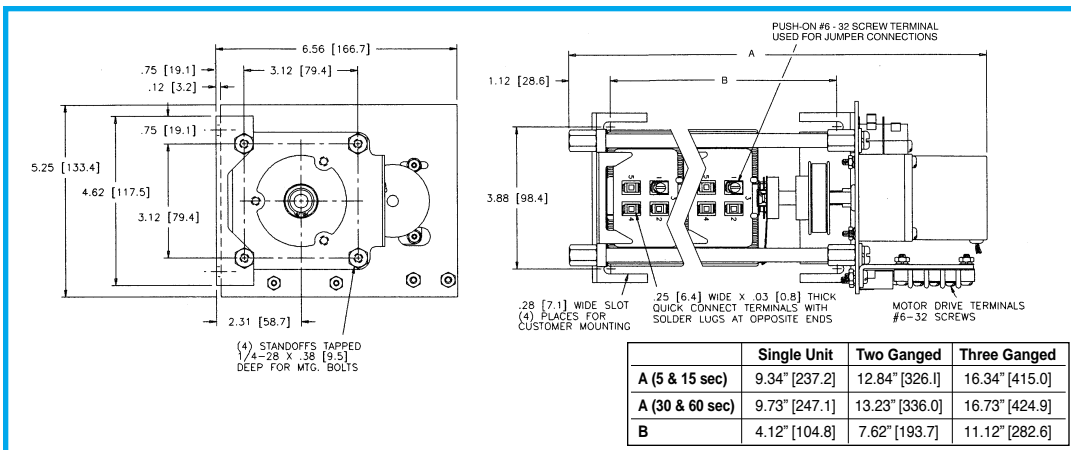
501C Single Unit



511 Single Unit



Two and Three Ganged, Manual



Motorized Single, Two and Three Ganged



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.