Transformers
Power Supplies for DC Electric Screwdrivers

**U-3B INTERFACE CONVERTER**
The PLC interface converter provides three types of signals by converting the open collector signal from STC 30 Plus v4.3 and STC 40 Model: U-3B Item #145753
- \(2\times 3\frac{1}{8}'' \times 1''\)
- Weight (oz.): 3.6

*Types of Signals:
- Open Collector by Opto-Coupler (Reversed)
- Relay Contact (Normal Close)
- Relay Contact (Normal Open)
- Opto-Coupler: 12 - 24 V (10mA max)
- Relay Contact: 30VAC (1A max)

**TRANSFORMERS**

**STC30 TRANSFORMER**
(Built-in Controller)
Selectable output voltage.
Over Heat Protection (OHP) and Over Current Protection (OCP) protect driver from damage or malfunction.
Temperature Detection powers down the unit and resets automatically when unit restores to acceptable levels.
Switchable 110 & 230V input voltage. Unit will reset if motor/current is too high.
Start and Stop Signal Output (for PLC).
Selectable Soft Start (from 0.2 - 0.6 seconds).
Selectable Double Hit mode for soft joint applications.
Screwdriver lock Signal Input (for PLC).
Unit can be connected to the Scout (Screw Counter).

Model: STC30 Plus v4.3 Item #145683
- For Driver Models: A4500 - 5000 CL2000 - 7000 EF030 - 180 K250 - 450
- Rated Output: 2.5A
- Max. Output: 5A
- Fuse: 6.3A
- Break: -
- Output VDC: 20 / 30 or 38
- Input VAC: 110 / 230V
- Size (WxDxH): 4 3/8'' x 7 1/2'' x 2 3/8''
- Weight (lbs.): 1.8

**STC40 TRANSFORMER**
(Built-in Controller)
Selectable output voltage.
Over Heat Protection (OHP) and Over Current Protection (OCP) protect driver from damage or malfunction.
Temperature Detection powers down the unit and resets automatically when unit restores to acceptable levels.
Switchable 110 & 230V input voltage. Unit will reset if motor/current overload is too high.
Start and Stop Signal Output (for PLC).
Screwdriver lock Signal Input (for PLC).
Unit can be connected to the Scout (Screw Counter).

Model: STC40 Item #145754
- For Driver Models: BF035 - 120 NF150 - 450
- Output VDC: 30 / 40
- Input VAC: 110 / 230V
- Size (WxDxH): 4 3/8'' x 7 1/2'' x 2 3/8''
- Weight (lbs.): 1.8

**MC-70L TRANSFORMER**
Operates between 2 - 20 tools, depending on type of drivers being used. Requires CB105 Sub Control Boxes (see below). Selectable two speed (high and low). The maximum number of drivers that can be used with the MC-70L is based on the premise that all drivers will be in use simultaneously.

Model: MC-70L Item #144164
- Max. Output: 15A
- Fuse: 5A
- Break: 10A
- Output VDC: 20 / 30
- Input VAC: 120
- Size (WxDxH): 12 1/2'' x 8 2/3'' x 6''
- Weight (lbs.): 26.4

**SUB CONTROL BOX**
For use with MC-70L.
Each control box has its own circuit board that diverts power from the motor to an electromagnetic brake when the driver reaches its preset torque.

Model: CB105 Item #144250
- (includes a ground wire)
- Cord Length: 78''
- Size (WxDxH): 2 3/4'' x 1 2/3'' x 4''
- Weight (oz.): 18.5

**PROGRAM LOCK KEY**
The Program Lock Key protects from incidental or operator tampering of the programmable settings on the side of select BF & NF-Series models*. To adjust the settings the Program Lock Key must be plugged into the STC40 & FT-30D Mini Transformer.

Item #145774
- Note: The program lock key is required for the BF and NF-Series Standard models and Soft Stop models. RPM & Soft Start Settings can not be adjusted without it.
- The program lock key can not be used with Plus models of BF, NF-Series and Soft Stop models and Angle & Auto Reverse models.

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**TRANSFORMERS with SCREW COUNTER**

(Built-in Controller)

Power supply with built-in screw counter. The quality control device provides visual assembly fastener count and audible reject alarm. Detects - cross threading, omissions, unfinished rundowns and cycle complete. (Visit website for more detail and images.)

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**T-70BL TRANSFORMER**
(Built-in Controller)

Operates BL Series electric screwdrivers. Switching power supply 100 - 240V. Selectable two speed. Mountable brackets.

- Model: T-70BL
- Item #144400
- Max. Output: 2A
- Fuse: - 3.15A
- Input VAC: 100 - 240
- (Built-in Controller)

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**T-30BL TRANSFORMER**
(Built-in Controller)

Switching power supply 100 - 240V. Selectable two speed. Mountable brackets.

- Model: T-30BL
- Item #144300
- Max. Output: 1A
- Fuse: 2A
- Break: 4A
- Output VDC: 31
- Input VAC: 100 - 240
- (Built-in Controller)

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**CLT-50 TRANSFORMER**
(Built-in Controller)

Selectable two speed (high and low).

- Model: CLT-50
- Item #144276
- Max. Output: 2.5A
- Fuse: 2A
- Break: 4A
- Output VDC: 20 / 30
- Input VAC: 120
- Weight (lbs.): 6
- For Driver Models: CL2000 - 7000
- SS2000 - 7000
- A4500 - 6500
- A4500 - 6500*
- *CLT-50 may be used with A4500 if torque is to be less than 10 lbf.in

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**CLT-60 TRANSFORMER**
(Built-in Controller)

Switching power supply 100 - 240V. Selectable two speed (high and low). Mountable brackets.

- Model: CLT-60
- Item #144360
- Max. Output: 2.5A
- Fuse: 5A
- Break: -
- Output VDC: 20 / 30
- Input VAC: 100 - 240
- Weight (lbs.): 1.8
- For Driver Models: A4500 - 6500
- CL2000 - 7000
- SS2000 - 7000

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**CLT-80 TRANSFORMER**
(Built-in Controller)

Switching power supply 100 - 240V. Selectable two speed. Mountable brackets.

- Model: CLT-80
- Item #144279
- Max. Output: 8A
- Fuse: 5A
- Break: -
- Output VDC: 20 / 30
- Input VAC: 100 - 240
- Size (WxDxH): 4 1/8" x 3 5/8" x 2 1/8"
- Weight (lbs.): 3.5
- For Driver Models: CL9000
- BLOP-STC3

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**CLT-100 TRANSFORMER**
(Built-in Controller)

Operates two drivers, either individually or simultaneously. The design of the circuit assures that the performance will not be affected by the operating the second driver.

- Model: CLT-100
- Item #144174
- Max. Output: 3.5A
- Fuse: 2A
- Break: 4A
- Output VDC: 20 / 30
- Input VAC: 120
- Size (WxDxH): 7 1/8" x 5 1/8" x 5 1/8"
- Weight (lbs.): 8.8
- For Driver Models: A4500 - 6500
- SS2000 - 7000
- CL2000 - 7000

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**ET-30D TRANSFORMER**

Model: ET30D

Item #145889

- Max. Output: 1A
- Output VDC: 30
- (Built-in Controller)

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**FT-30D TRANSFORMER**

Model: FT30D

Item #145870

- Max. Output: 1.2A
- Output VDC: 30
- (Built-in Controller)

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**BF045**

Program key is required for the BF035 & BF045. RPM Settings can not be adjusted without it.

Note: The program key is required for the BL series.

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**BF035**

Operates one driver. Mountable brackets. Includes power supply with built-in screw counter. The quality control device provides visual assembly fastener count and audible reject alarm. Detects - cross threading, omissions, unfinished rundowns and cycle complete. (Visit website for more detail and images.)

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**Note:** The program key is required for the BF035 & BF045. RPM Settings can not be adjusted without it.