Transformers

Power Supplies for DC Electric Screwdrivers

HIOS

Built-in Controller

TRANSFORMER WITH SCREW COUNTER

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.)

Model: CLT-70STC3
Item #144296
Max. Output: 4.5A
Fuse: 3A
Break: -
Output VDC: 20 / 30
Input VAC: 100 - 240
Size (WxDxH):
4 $^3/_4$" x 7 $^1/_2$" x 2 $^3/_4$"
Weight (lbs.): 3.5

For Driver Models:
CL2000 - 7000
A4500 - 6500
SS2000 - 7000

Model: BLOP-STC3
Item #144175
Max. Output: 4.5A
Fuse: 3A
Break: -
Output VDC: 20 / 30
Input VAC: 100 - 240
Size (WxDxH):
5" x 8 $^1/_8$" x 3"
Weight (lbs.): 4

For Driver Models:
BL2000 OPC - 7000 OPC*

*Only operates with the "OPC" models from the BL-Series. Cannot operate with standard BL models.

HIOS POWER SUPPLY MC-70L

PROTECTOR   OUTPUT   POWER

T-30BL

Built-in Controller

T-30BL TRANSFORMER

Switching power supply 100 - 240V. Selectable two speed (high & low).

Model: T-30BL C E
Item #144300
Max. Output: 1A
Fuse: 2A
Break: 4A
Output VDC: 31
Input VAC: 100 - 240
Size (WxDxH):
2 $^1/_2$" x 5 $^1/_4$" x 1 $^1/_2$"
Weight (lbs.): 0.7

For Driver Models:
BL2000 - 3000

T-70BL

Built-in Controller

T-70BL TRANSFORMER

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

Model: T-70BL C E
Item #144400
Max. Output: 2A
Fuse: - 3.15A
Break: -
Output VDC: 31
Input VAC: 100 - 240
Size (WxDxH):
3 $^1/_2$" x 8 $^1/_4$" x 2"
Weight (lbs.): 1.8

For Driver Models:
BL2000 - 7000

MC-70L

MC-70L TRANSFORMER

Operates between 2 - 20 tools, depending on type of drivers being used. Requires CB105 Sub Control Boxes. 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 C E
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

(up to 5 drivers)
A6500

(up to 10 drivers)
A4500 - 5000
CL6000 - 7000
SS6500 - 7000

(up to 20 drivers)
CL2000 - 4000
SS2000 - 4000

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
(includes a ground wire)
Item #144250
Cord Length: 78"
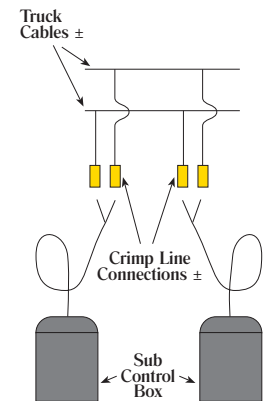Size (WxDxH): 2 $^3/_4$" x 1 $^2/_3$" x 4"
Weight (oz.): 18.5

Truck Cables ±

Crimp Line Connections ±

Sub Control Box

Diagram shows how the Sub Control Boxes interface with the truck cables to provide multiple driver use.

STC30

Built-in Controller

CE RoHS

STC30 TRANSFORMER

Selectable output voltage:
- 20 / 30V for HIOS, BF, EF Series Drivers
- 30 / 38V for K Series Drivers

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 v4.1 (5-pin) **Item #145683**
Operates: A-Series, CL-Series, EF-Series, K-Series & BF-Series

Model: STC30 Plus v4.1 (5-pin) **Item #145684**
Operates: SS-Series & ESD-Series

Model: STC30 Plus v4.2 (6-pin) **Item #145699**
Operates: BF-Series, Features Driver Lock

Rated Output: 2.5A
Max. Output: 5A
Fuse: 6.3A
Break: -
Output VDC: 20 / 30 or 30 / 38
Input VAC: 110 / 230
Size (WxDxH): 4 $^{3}/_{8}$" x 7 $^{1}/_{2}$" x 2 $^{3}/_{8}$"
Weight (lbs.): 1.8

EF ▨ **K** *
Select EF Mode (20/30V) for operating the following Drivers:
A4500 - 6500   CL2000 - 7000
SS2000 - 7000   EF080 - 120

EF ▨ **K** *
Select K Mode (30/38V) Only operate K Series Drivers in this mode:
K250 - 450
Note: For STC 30 Plus v4.1 Only

U-3 INTERFACE CONVERTER
STC 30 PLUS ACCESSORY

The PLC interface converter provides three types of signals by converting the open collector signal from STC 30 Plus.

Model: U-3
Item #145619
Size (WxDxH): 3" x 2 $^{3}/_{8}$" x $^{3}/_{4}$"
Types of Signals:
Open Collector by Opto-Coupler (Reversed)
Relay Contact (Normal Close)
Relay Contact (Normal Open)

CLT-50

Built-in Controller

CLT-50 TRANSFORMER

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
Size (WxDxH):
4 $^{1}/_{8}$" x 7 $^{1}/_{4}$" x 3 $^{5}/_{8}$"
Weight (lbs.): 6

For Driver Models:
CL2000 - 7000
SS2000 - 7000
A4500 - 6500*
*CL T-50 may be used with A-6500 if torque is to be less than 10 lbf.in

CLT-65

Built-in Controller

CLT-65 TRANSFORMER

Selectable two speed (high and low). Ideal for A6500, SS7000, CL7000 under high torque applications.

Model: CLT-65
Item #144054
Max. Output: 3.5A
Fuse: 5A
Break: 4A
Output VDC: 20 / 30
Input VAC: 120
Size (WxDxH):
7 $^{1}/_{8}$" x 5 $^{1}/_{2}$" x 5 $^{1}/_{4}$"
Weight (lbs.): 8.8

For Driver Models:
A4500 - 6500
CL2000 - 7000
SS2000 - 7000

CLT-75

Built-in Controller

CLT-75 TRANSFORMER

Model: CLT-75
Item #144177
Max. Output: 8A
Fuse: 5A
Break: 8A
Output VDC: 30
Input VAC: 120
Size (WxDxH):
7 $^{1}/_{8}$" x 8 $^{2}/_{3}$" x 5 $^{1}/_{4}$"
Weight (lbs.): 13.25

For Driver Model:
CL9000

CLT-100

Built-in Controller

CLT-100 TRANSFORMER

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 $^{3}/_{4}$" x 5 $^{1}/_{8}$"
Weight (lbs.): 8.8

For Driver Models:
A4500 - 6500
SS2000 - 7000
CL2000 - 7000