

**AIRCRAFT WIRING PRACTICE TRAINER, DEVICE 6E10****TRAINING CATEGORY:**

BASIC SCIENCE (Electricity)

ORIGINATING AGENCY:

CNET

SECURITY CLASSIFICATION:

Device 6E10 is unclassified.

INTENDED USE:

Device 6E10 is used to provide the student with the basic knowledge of the electrical wiring in an aircraft interior lighting system.

FUNCTIONAL DESCRIPTION:

The Aircraft Wiring Practice Trainer will have an electrical chassis in which all lamp sockets, resistors, switches, circuit breakers, fuse holders, terminal blocks, and connectors are mounted and labeled, and with a 28-Volt internally mounted power supply fully wired and operational.

A hinged cover with two (2) locking type elbow hinges to hold the cover in a raised position when in use.

The student will select the correct material and tools to wire the simulated aircraft system. The student will also test the wired trainer to verify proper assembly, and to obtain knowledge of a basic aircraft interior lighting system.

The trainer consists of the following items:

- (a) Trainer Case (Aluminum)
- (b) Trainer Chassis
- (c) Material Kit
- (d) Tool Kit
- (e) Power Cable (5'3-Wire)
- (f) Trainer Schematic Sheet
- (g) Trainer Wiring Diagram Sheet
- (h) Trainer Instruction Sheets
- (i) Parts Kit
- (j) Spare Parts Kit

DIRECTORY OF NAVAL TRAINING DEVICES

The Trainer Case will have two (2) removable drawers. One drawer will hold the tools supplied with the trainer and the other drawer will hold the material used to connect and wire-up training problems.

PHYSICAL INFORMATION:

Trainer size will not exceed 24" x 17" x 5-1/2" in its storage mode.

ENVIRONMENTAL CHARACTERISTICS:

Ambient temperature range from -13° F to + 125° F.

Relative humidity ranging up to 95%.

INSTALLATION AREA:

Classroom

POWER REQUIREMENTS:

115 VAC, 60 Hz., Single Phase

CONTRACT IDENTIFICATION:

Manufactured by ITI Electronics, Inc., Clifton, NJ under NAVTRASYSSEN Contract No. N61339-76-C-0020.

LOCAL STOCK NUMBER:

6910-LL-C00-4329