

SUMMARY OF
AIRCRAFT FIRE FIGHTING PANELS

January 1983

Device 11F16

NAVAL TRAINING EQUIPMENT CENTER

ORLANDO, FLORIDA



← ENLARGE TO 5" x 4"

TRAINING CATEGORY:

**MAINTENANCE TRAINING (Structures)
(Airframe)**

ORIGINATING AGENCY:

DCNO/AIR

SECURITY CLASSIFICATION OF DEVICE:

Device 11F16 is unclassified.

PURPOSE OF DEVICE:

To train military personnel to properly operate and make use of components on an A/S32P-16 fire fighting panel.

INTENDED USE:

The Aircraft Fire Fighting Panel will be used to familiarize non-rated personnel with the duties of a fire fighter when operating the A/S32P-16 fire fighting unit.

FUNCTIONAL DESCRIPTION:

Device 11F16 is an electrical trainer system used for teaching demonstrations and training exercises. Its main component is a two-times size simulated fire fighting panel complete with operating meters, switches and indicating lights. The panel is mounted on a caster-fitted support stand. Use of the panel can be

demonstrated by an instructor and then preset for subsequent trainee use. The trainee learns how to operate the panel and the interaction of panel components with other parts of the A/S32P-16 fire fighting system. The training objective of practical application is developed through trainee interaction with the device. Trainer use can be by individual or small groups of 3 to 5 trainees. The trainer can be used repeatedly in training exercises. New meter readings or faults can be reset at any time by the instructor. The trainer has a built-in ground interrupt unit to protect users from 115 VAC supply electrical shock hazards. The panel operates with personnel-safe 24 VDC power.

A covered instructor panel is used to set meter indications and subsequent faults into the electrical system. A trainee first starts the simulated A/S 32P-16 system. Then a time delay occurs followed by onset of faults observed as an abnormal meter reading and/or an indicating light. The trainer simulates: improper system operation and system mechanical malfunctions.

PHYSICAL INFORMATION:

Number of pieces: One
Accessories furnished: Carton of spare parts and VOM meter.
Size: 65" high x 33" deep x 48" wide
Weight: Total system (including spare parts and miscellaneous materials)--176 pounds
Type: Portable, classroom

EQUIPMENT REQUIRED (NOT SUPPLIED):

NONE

POWER REQUIREMENTS:

Input characteristics: 115 VAC, 60 Hz, single phase, 3-wire
Maximum starting power: .115 KVA
1 ampere

PUBLICATIONS FURNISHED:

Operation and Maintenance Instructions, Aircraft Fire Fighting Panel Trainer, Device 11F16, NAVTRADEV P-4995. (U)

11F16

PERSONNEL:

Instructor: One Chief or 1st class PO, graduate of school and qualified to teach

Operator: Instructor-operated

Trainees: 1 to 5

Trainee observers: Class of up to 20

Maintenance men: One technician (one-half hour per 40-hour utilization week)

CONTRACT IDENTIFICATION:

Manufactured by Mitchell Engineering Ltd., St. Charles, Illinois under NAVTRAEQUIPCEN Contract No. N61339-82-C-0074.

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