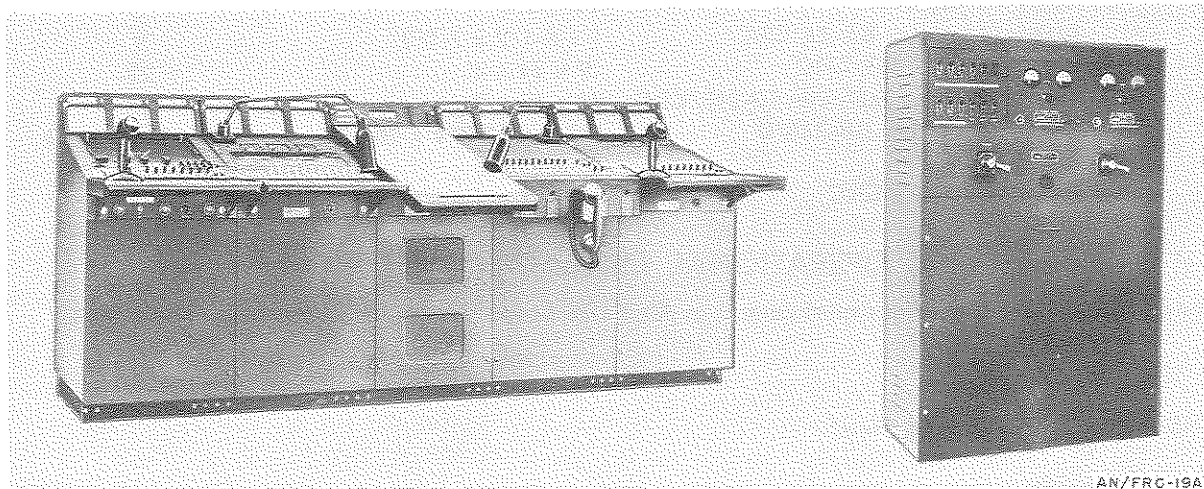


STATUS: Substitute Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: Air Force, Navy
DATE OF THIS SHEET: 10 Jun 52

AN/FRC-19A

AIRPORT CONTROL TOWER CONSOLE



Airport Control Tower Console AN/FRC-19A is a ground, fixed station which provides the communication, signaling, and information facilities required for air traffic control at Air Force bases.

This equipment consists essentially of a control tower console, relay, alarm telephone, control unit, field condition indicator, four storage batteries, and a bell.

It provides meteorological information, control of remotely located voice-frequency recorders, local and remote indication of field flight conditions, intercommunication facilities for coordination of flight information, voice modulation and control of remote transmitters, control of output signal level of remote radio receivers, d-c power for microphones and control circuits, crash alarm system, lighting for console and tower, and mounting provisions for Airport Lighting Control Panel Type I, II, or III.

Four Storage Batteries BB-245/U are supplied for emergency operation of 5 to 6 hours of the d-c console components.

AN/FRC-19A	INSTRUCTION LITERATURE: Not Available
	CLASSIFICATION OF EQUIPMENT: Unclassified
AIRPORT CONTROL TOWER CONSOLE	USING SERVICE : Air Force, Navy
	DATE OF THIS SHEET : 10 Jun 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Control Tower Console CY-888/CRC	94 x 40 x 36	960
1	Relay RE-82/CRC	4 x 8 x 4	3
1	Alarm-Telephone BZ-24/CRC	9 x 6-1/2 x 7-1/2	9
1	Control Unit C-388/CRC	19 x 24 x 4	22
1	Field Condition Indicator ID-298/CRC	84 x 50 x 9	22
4	Storage Batteries BB-245/U	5-1/2 x 12-3/4 x 26-3/8	312 (each)
1	Bell BZ-26/U	13 x 12 x 5	8
1	Indicator ID-203/CRC	19 x 24 x 4	24

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Used for airport control at Air Force bases and issued in accordance with AFR 100-17.

INSTALLATION: Ground, fixed.

CAN COMMUNICATE WITH: This equipment constitutes a complete communication and control facility for use at ground air installations.

TECHNICAL CHARACTERISTICS

TYPE OF SIGNAL: Voice or signal light.

TYPE COMMUNICATION CIRCUITS: Radiotelephone, commercial landline telephone, voice recorders, and crash alarm emergency facilities.

CONTROL FACILITIES: 4 telephones, 2 recorders, 12 radio receivers, 8 radio transmitters, 10 crash alarm substations, and various lighting and intercommunication facilities.

POWER REQUIREMENTS: 500 w, 117/234 v, 60 cyc, 1 phase (3-wire) ac,
or 500 w, 117 v, 60 cyc, 1 phase (2-wire) ac.
In emergencies (5 to 6 hrs): Four 50-v,(60-amp)Storage Battery
BB-245/U (nickel cadmium).

PHYSICAL CHARACTERISTICS

Airport Control Tower Console AN/FRC-19A measures 222 x 50 x 36 inches, net weight 2,296 pounds, volume 104.05 cu ft, 2.5 ship tons. Packed for domestic and export shipment: total weight 2,755 pounds, total volume 115 cu ft, 2.9 ship tons. Shipped in 30 packages.