

OUTFIT PFB

PFB

SUMMARY OF DATA

PURPOSE

To multicouple several user equipments to a single surveillance radar to permit a peripheral display operator to select a data feed from several surveillance radars without adjustment to the display controls.

BRIEF DESCRIPTION

Outfit PFB is a system for processing and distributing video signals, synchronizing signals, ships head marker and aerial rotation information to radar displays. It is a multi-purpose radar data distribution outfit which provides an interface between surveillance radars and the associated display systems in a ship's installation and makes available fourteen groups of data from each surveillance radar.

One distribution assembly (RDDA) is provided for each surveillance radar. It accepted data feed and after processing provides a maximum of fourteen output groups of the data. Provision is also made for mixing auxiliary video signals with the radar video and a unique output of video and sync is available for an auto-extractor.

MAJOR UNITS

NSN	Description
5840-99-531-2411	Cabinet, Electrical Equipment (RDDA)
5840-99-527-0458	Cabinet, Electrical Equipment (RDSA)
5840-99-531-8181	Cabinet, Electrical Equipment (VCS 407)
5840-99-529-3389	Cabinet, Electrical Equipment (TPSA)
5840-99-531-2412	Cabinet, Electrical Equipment (Storage)
5935-99-529-5532	Box, Jack
5940-99-529-4787	Box, Terminal

PHYSICAL DATA

	Height	Width	Depth	Weight
Cabinet, Electrical Equipment (RDDA)	157.6 cm (62 in)	71.2 cm (28 in)	60.7 cm (23.8 in)	120 kg (264 lb)
Cabinet, Electrical Equipment (RDSA)	42.2 cm (16.6 in)	41.0 cm (16 in)	38.2 cm (15 in)	23 kg (50.8 in)
Cabinet, Electrical Equipment (VCS 407)	42.2 cm (16.6 in)	41.0 cm (16 in)	38.2 cm (15 in)	23 kg (50.8 lb)
Cabinet, Electrical Equipment (TPSA)	42.2 cm (16.6 in)	41.0 cm (16 in)	38.2 cm (15 in)	23 kg (50.8 lb)
Cabinet, Electrical Equipment (Storage)	58.8 cm (23.2 in)	56.2 cm (22 in)	60.7 cm (23.9 in)	35 kg (77.3 in)
Box, Jack	4.8 cm (1.9 in)	8.8 cm (3.5 in)	7.0 cm (2.75 in)	-
Box, Terminal	9.3 cm (3.7 in)	20.0 cm (7.8 in)	14.0 cm (5.6 in)	-

POWER REQUIREMENTS

Cabinet RDDA	115 V 60 Hz single phase, 0.575 kVA 115 V 400 Hz single phase, 0.575 kVA
Cabinet RDSA	115 V 60 Hz single phase, 200 W, anti-condensation heaters (ACH) 115 V 60 Hz single phase, 0.120 kVA
Cabinet TPSA	115 V 60 Hz single phase, 15W, ACH 115 V 60 Hz single phase, 0.15 kVA
Cabinet, storage	115 V 60 Hz single phase, 15W, ACH 115V 60 Hz single phase, 70W, ACH

HANDBOOK

BR 8532

ESTABLISHMENT LIST

S1809

INSTALLATION SPECIFICATION

B1292