

GROUP D.6

CABIN PRESSURIZATION AND TEMPERATURE CONTROL (CODE CP)

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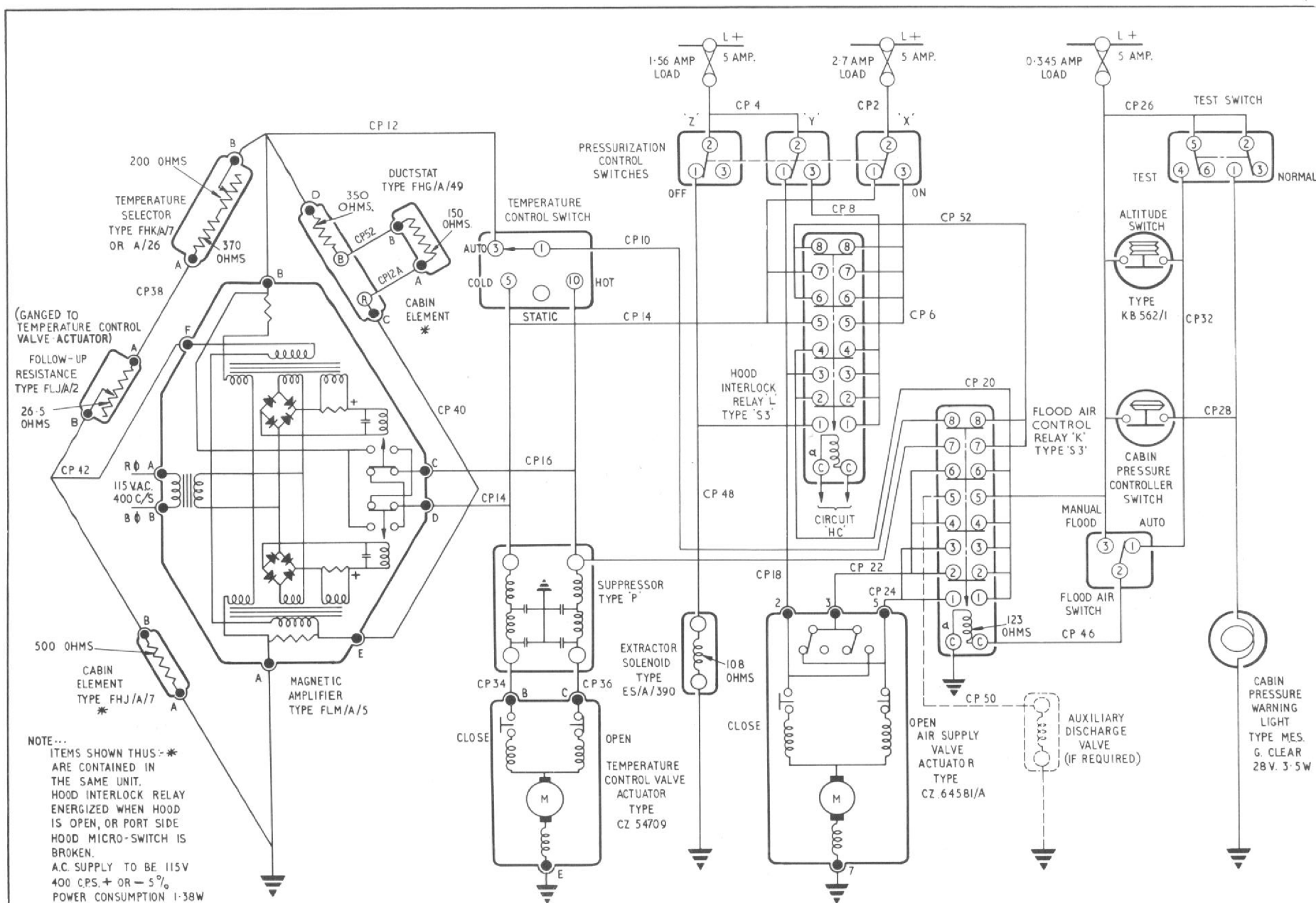


Fig. 1 Cabin pressurization and temperature control (theoretical)

(Minor amendment)

RESTRICTED

Introduction

1. This Group contains the description and operation of the cabin pressurization and temperature control circuits together with the information necessary to maintain the equipment in an efficient condition. Routeing and theoretical circuit diagrams are also included. For a

general description of the aircraft electrical system reference should be made to Groups A.1, A.2 and A.3. Detailed information on the standard items of equipment used in the circuits will be found in the Air Publications listed in Table 1.

TABLE 1

Equipment type and Air Publication reference

Equipment Type	Air Publication
Control switches, Type XD.778, No.4 (Mod.1115)	A.P.113D-1100 series
Flood switch, Type XD.778, No.4	
Temperature control switch, Type C.1223Y, Mk.12	
Pressure warning test switch, Type XD.786, No.4 (Mod.1120)	
Temperature selector, Type FHK/A/7 or 26	A.P.107B-0214-6
Cabin element, Type FHJ/A/7	A.P.107B-0227-1
Ductstat, Type FHG/A/49	A.P.107B-0216-1
Air supply valve actuator, Type CZ.64581	A.P.113E-0100 series
Temperature control valve actuator, Type CZ.54709/10/A	
Air extractor valve solenoid, Type ES/A/390	A.P.113F-0100 series
Relays, Type S, No.3	A.P.113D-1309-1
Altitude switch, Type KB.562/01	A.P.112G-1160-1
Suppressor, Type P, No.1	A.P.113D-1902-1
Magnetic amplifier, Type FLM/A/1 or FLM/A/5	A.P.107B-0207-1
Follow-up resistor, Type FLJ/A/2	A.P.113F-0700 series
Warning lamp, Type B	A.P.113F-0235-1

DESCRIPTION**Cabin pressurization and temperature control****Control switches**

2. The cabin pressurization and temperature control installation of this aircraft is controlled by:-

- (1) A cabin pressurization control switch unit consisting of three ganged ON/OFF power supply switches.
- (2) A flood switch marked AUTO and MANUAL.
- (3) A four position temperature control switch, which is marked AUTO, COLDER, EMERGENCY and HOTTER.

- (4) A temperature selector marked COOL, NORMAL and WARM.

All these switches are situated on the cabin pressurization control panel above the cabin port shelf.

Actuators

3. The pressurization control switch unit controls:-

- (1) The air supply valve actuator, located at the top of the centre fuselage aft of the rear spar frame.
- (2) The air extractor valve solenoid situated on the forward face of frame 14.

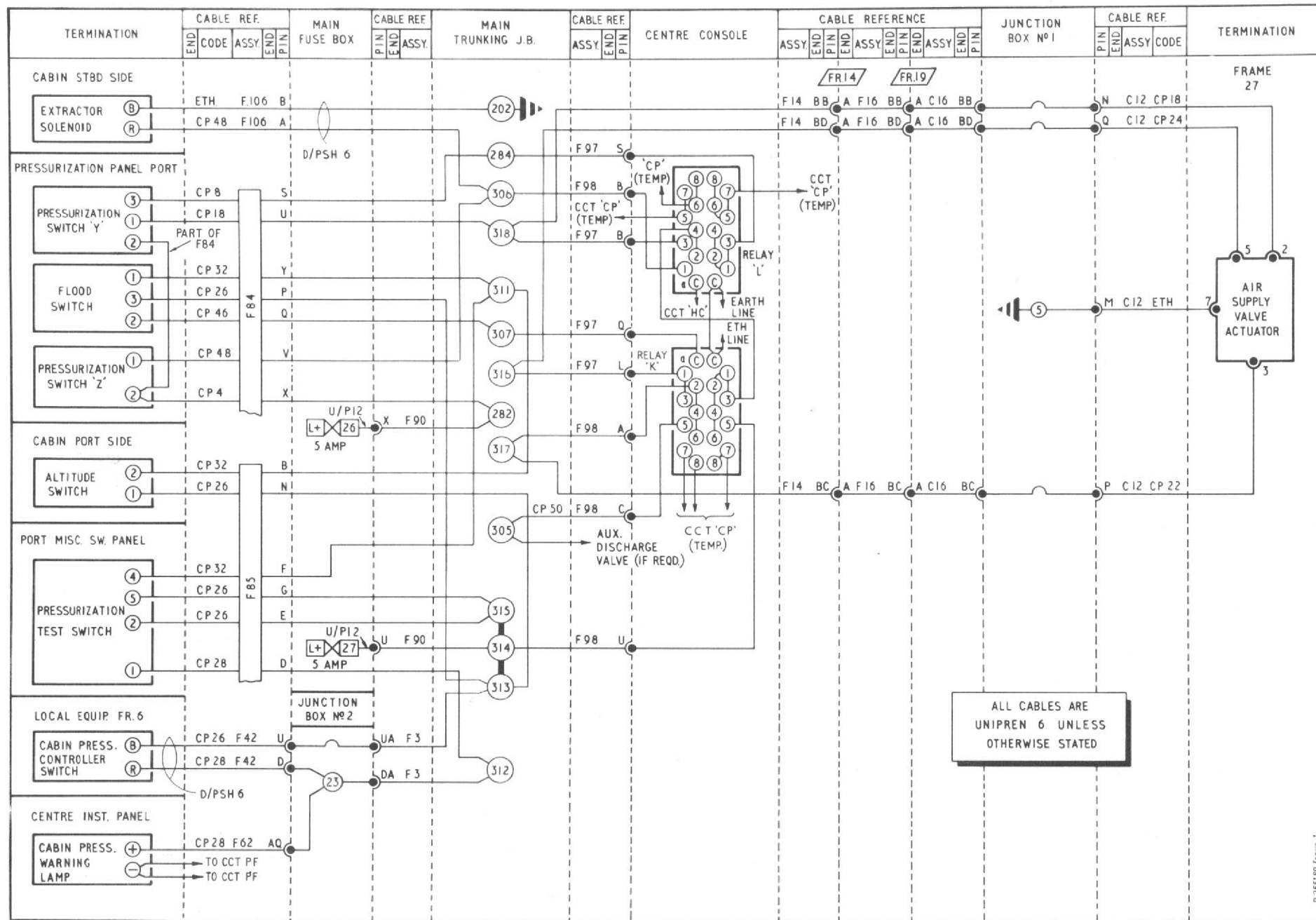


Fig. 2 Cabin pressurization and temperature control — pressure section (routing)

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