

# RESTRICTED

BR 333(1)  
Original

## DATA TRANSLATION UNIT DTU03

DTU03

### SUMMARY OF DATA

#### PURPOSE

The DTU03 Data Translation unit is an electronic interface equipment for use in data transmission and reception channels between a data link terminal and a computer.

#### BRIEF DESCRIPTION

The DTU03 accepts incoming data from data link terminal Outfit RJF and modifies the signal levels and timing into a suitable form for acceptance by a Type FM1600 computer. Outgoing data from the FM1600 computer is accepted by the translation unit DTU03 and changed to suitable levels and timing for acceptance by Outfit RJF. The performance and input/output signal specifications restrict the use of the DTU03 as an interface equipment between the Outfit RJF and one or two FM1600 computer equipments only. The DTU03 is a single shelf module assembly and its physical dimensions enable it to be housed in a standard FM1600 series cabinet. The DTU03 incorporates self check and computer loop test facilities which are controlled by switches on the unit control panel. Monitoring facilities on the control panel can be used to assist fault diagnosis in these test modes. The DTU03 is isolated from the data link terminal when test facilities are selected.

#### PHYSICAL DATA

Height	Width	Depth	Weight
17.9 cm (7 in)	48.0 cm (19 in)	45 cm (17.5 in)	15.9 kg (35 lb)

#### POWER REQUIREMENTS

- + 50 V
- + 24 V, 150 mA nominal
- + 4.5 V, 10A minimum
- + 3 V, 650 mA nominal
- 0 V
- 9V, 530 mA nominal
- 24 V, 500 mA nominal
- 1 Vac

#### HEAT DISSIPATION

40 W nominal

#### HANDBOOK

BR 812

#### ESTABLISHMENT LISTS

- S 1531 Outfit DAC
- S 1621 Outfit DAD
- S 1768 Outfit DAE