

DIGITAL TRANSMISSION SYSTEMS

D3 CHANNEL BANK

CHANNEL UNIT EXTENDER

DESCRIPTION

1. GENERAL

1.01 The channel unit extender (Fig. 1) is a 6-wire jack access unit which provides splitting access to the transmission and signaling leads on the digital bank side (*LINE*) and office equipment side (*DROP*) of the circuit. The extender plugs into the channel unit position of the D3 bank, and the channel unit plugs into the extender. Also available on the extender is a pin jack which provides access to the 20-Hz ringing voltage (if provided in the bay) for testing foreign exchange channels. The reference drawings are ED-3C424-30 and SD-3C121-01.

1.02 Whenever this section is reissued, the reason for reissue will be stated in this paragraph.

1.03 The channel unit extender is 6-1/4 inches high, 3-3/4 inches wide, 20-3/8 inches long, and weighs approximately 2 pounds. When plugged into a channel bank position, the unit extends 10 inches beyond the front of the bank.

1.04 The channel unit extender has a total of seven jacks. The first jack accepts a pin probe while the other jacks accept 310 plugs. The jacks designated *LINE*, when used, break the normal connections and access the line side of the

circuit. The jacks designated *DROP*, when used, break the normal connections and access the drop side of the circuit.

Detailed designations and functional information include:

(a) **20 Hz:** This jack is a negative superimposed ringing voltage outlet for testing foreign exchange channels. The voltage is obtained from the channel unit position if the bay is fused properly.

(b) ***T, R LINE or DROP:*** These jacks provide access to the transmit path on 4-wire circuits and both paths on 2-wire circuits. The sleeve lead is also split and accessed by these jacks. On the line side, the sleeve lead is connected to the channel unit for control by the SDPO channel unit. On the drop side, the sleeve lead goes to the TPU and may also be connected to a make-busy lead.

(c) ***T1, R1 LINE or DROP:*** These jacks provide access to the receive path on a 4-wire circuit.

(d) ***E, M LINE or DROP:*** These jacks provide access to the E & M signaling leads on 2- or 4-wire channel units.

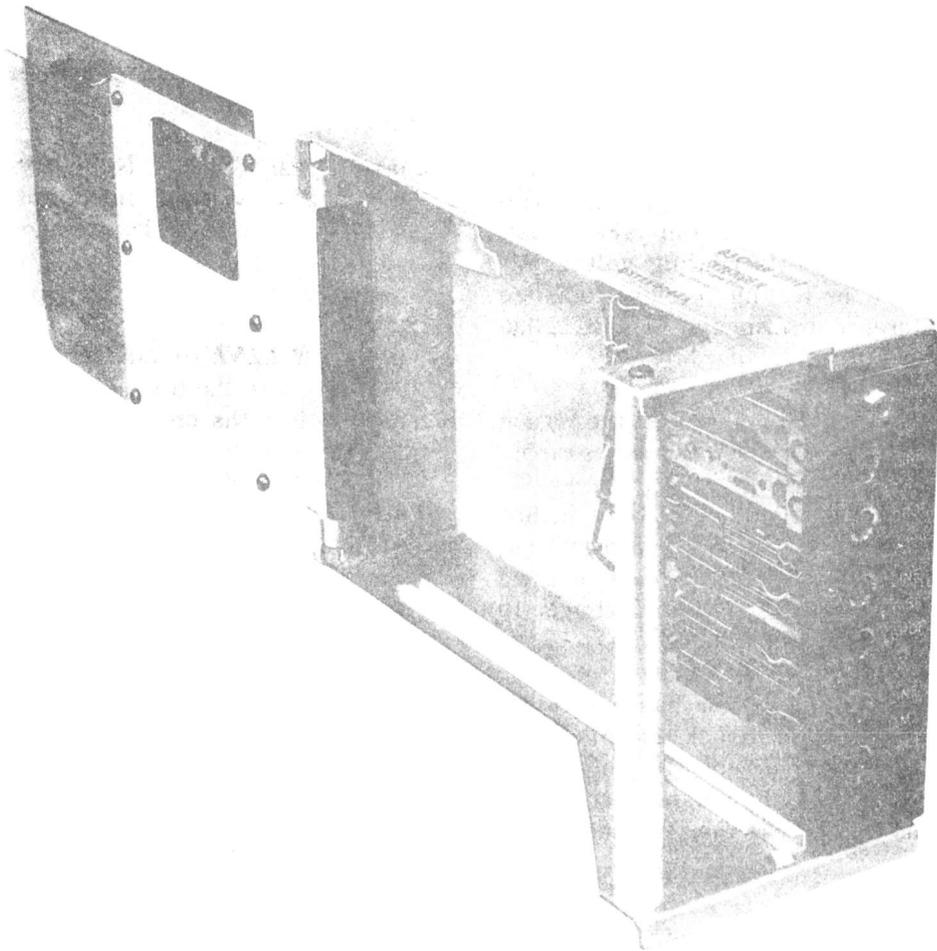


Fig. 1—Channel Unit Extender