

AHG12 OIU-4A

OFFICE INTERFACE UNIT CIRCUIT PACK

DATA SHEET

D4 CHANNEL BANK

DESCRIPTION

The OIU-4A office interface unit (Fig. 1) circuit pack provides a D4 or DCT channel bank with the following synchronization mode capabilities: local time (LOC), loop time (LT), or external time (EXT). It supports Digital Data System (DDS) and stand-alone (local network) dataport transmission. It also provides a slip detection capability in the external timing mode with both faceplate lamp and office alarm reporting on an optional basis.

The OIU-4A differs from OIU-2 and OIU-4 units in that it generates the 8- and 64-kHz timing signals normally provided by the combination of these earlier OIU units and the ED-3C792 D3/D4 to DDS Interface Test Set (clock box). This eliminates the required cable and clock box when testing with standard data test sets.

FEATURES

- Provides rotary switch selection of synchronization modes.
- Provides two regenerated composite clock outputs for timing distribution to other equipment, i.e., other banks.
- Provides direct 8- and 64-kHz clock outputs for interfacing with standard data test sets. This permits direct connection between the faceplate TRMTR and REC jacks and standard data test sets.
- Provides optional slip detection capability in the external timing (EXT) mode. The slip detection function supports both faceplate lamp

and office alarm reporting on an optional basis.

- Provides slip reporting to the 1 ESSTM switch Peripheral Unit Controller when used in a DCT bank.

OPTIONS

SLIP ON/OFF Switch: This switch, located on the circuit board, will enable or disable the slip detection function. The ON position enables the slip detection function. The OFF position disables the slip detection function and all associated alarms.

ALM ON/OFF Switch: This switch, located on the circuit board, will enable or disable the office alarm ability to report slips. The ON position causes slips to be reported by office alarms. In this application, the SLIP switch must be set to the ON position so that the slip detection function is enabled. The OFF position of the ALM switch prevents slips from being reported by office alarms.

SLIP Lamp: The SLIP lamp, located on the faceplate, lights if 15 or more slips are detected in a 5-minute interval when the SLIP switch is set to ON.

TST Switch: Depressing the TST switch, located on the faceplate, extinguishes the SLIP lamp if lighted.

Synchronization Mode Switch: This switch, located on the faceplate, selects the synchronization mode. The LT position provides loop timing. The LOC position provides local timing. The EXT position provides external timing. Each timing position can be set to reference either digroup A or B.

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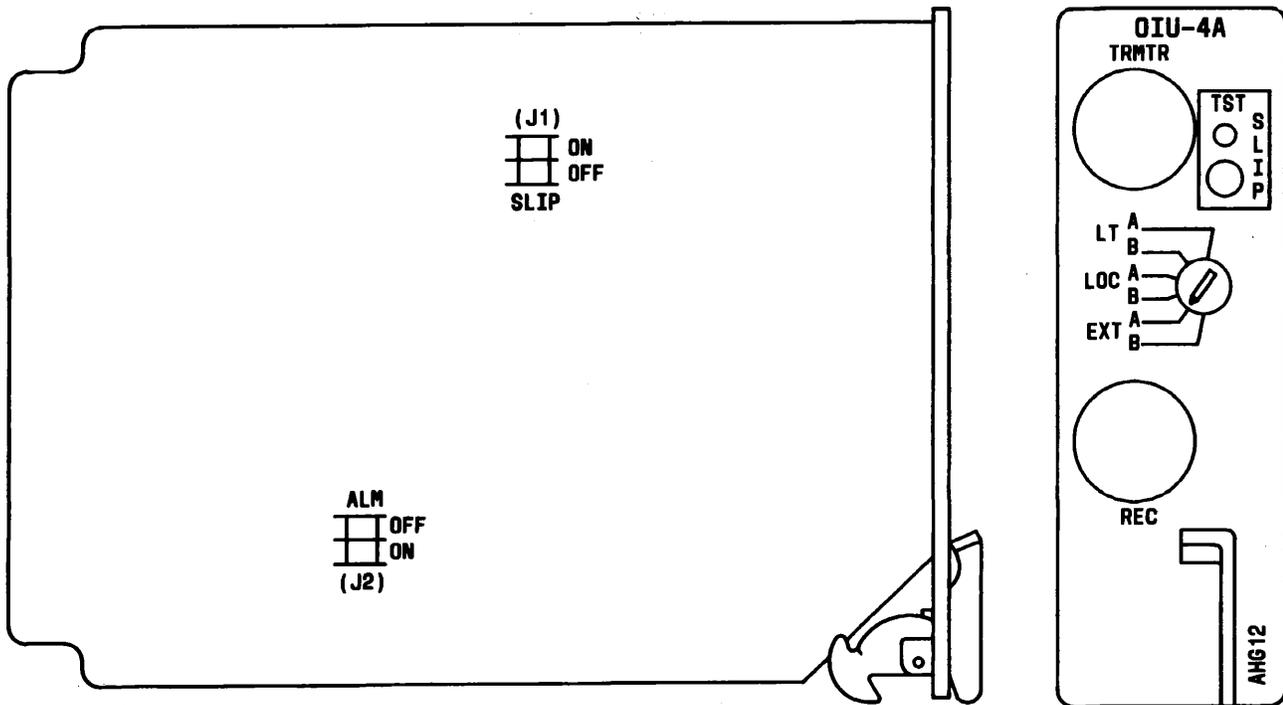


Fig. 1—D4 OIU-4A Office Interface Unit