Drop and Insert Module

Expansion Module for the TSU

Product Features

- Provides secondary T1 interface

- Allows data insert and extraction between primary and secondary T1 circuits

- D4 or ESF framing

- AMI or B8ZS coding

- Full performance information

- T-Watch PRO monitoring and control

- Easy configuration from front panel or VT 100 terminal

- Industry-leading five-year North American warranty

The ADTRAN ® Drop and Insert (D&I) Module provides a secondary T1 (1.544 Mbps) interface to TELCO or to private T1 facilities. By adding the D&I Module to a TSU multiplexer, the user has the capability to support 2 independent T1's for data, voice, or video, eliminating the need for a second multiplexer. The module provides the capability to selectively insert and extract channels between the primary T1 interface on the TSU multiplexer and the secondary T1 interface on the module. This allows for the connectivity of two remote sites through a central site. The module operates with either AMI/B8ZS coding or D4/ESF framing.

For easy configuration, the D&I Module options are programmed using the front panel, a VT 100 terminal interface or the optional Windows® based T-Watch PRO™ software. The module can be configured remotely via the FDL (ESF circuits only) when attached to a local TSU multiplexer using T-Watch PRO.

The TSU™, TSU LT™, TSU ESP™, TSU 100™, TSU 120™, TSU 600™, and TDU 120™ are intelligent, full-featured T1 DSU/CSU's, designed to interface customer DTE to T1 or Fractional T1 services. These devices can be used to terminate the far end of the D&I T1 circuit. The Drop & Insert Module is one of many application-specific modules available for the TSU Multiplexer. The ability to combine different expansion modules with plug-on units provides a variety of interface port combinations for voice, data, dial backup and video applications.

ADTRAN®

Drop and Insert Modules

Expansion Module for the TSU

Product Specifications

T1 Network Interface

Line Rate
- T1 (1.544 Mbps)

Line Code
- AMI or B8ZS

Framing Format
- D4(SF) or ESF

Physical Interface
- Modular 8 Pin RJ48C

Performance Data
- BPVs/CRCs, ES, SES, UAS, %AS, %EFSEC, Alarms, Error Rates

Transmit Timing
- Network or Secondary

Input Signal
- 0 to –36dB

Line Build-Out
- 0, –7.5, 15, –22.5dB

Compliance
- FCC Part 15
- FCC Part 68
- UL

Physical

Module Size
- Standard TSU Option Slot Format
- Expansion module accepts other Plug-On modules
- Only one D&I module per multiplexer
- D&I module is not hot-swappable

Environment

Operating Temperature
- 0° to 50° C, (32° to 122° F)

Storage Temperature
- –20° to 70° C, (–4° to 158° F)

Relative Humidity
- Up to 95%, non-condensing

Ordering Information

Equipment	Part #
Drop and Insert Expansion Module	1200065L1