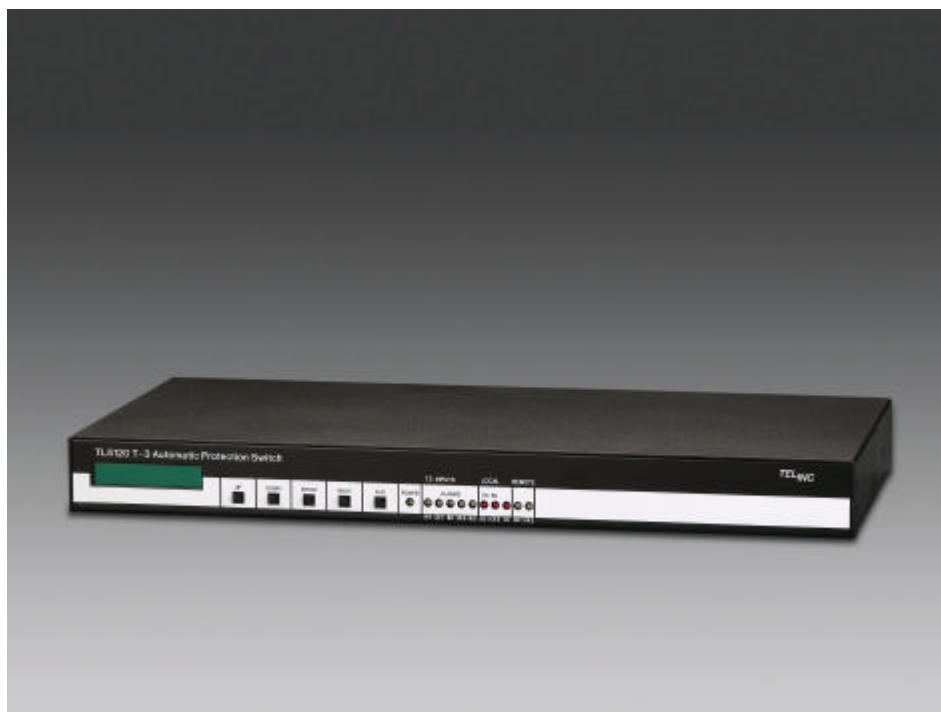


TL5120

T-3

AUTOMATIC PROTECTION SWITCH



- One-to-one or two-to-one back up
- Three T-3 network ports and two T-3 customer ports
- Channelized and unchannelized T-3
- Auto M13/C-BIT detect
- Front-panel, VT100 and TELNET management
- Integral V.34 modem option

Telinc TL5120 Automatic Protection Switches are used to back up T-3 lines. They automatically protect one or two T-3 lines with a back-up T-3 line.

TL5120 Switches are used in pairs, one at each end of the circuit. They monitor all five inputs, the three T-3 lines and the two T-3 customer interfaces. They generate an audible alarm and perform a switchover if a circuit is not operating properly. Contact closures are also provided.

Each TL5120 monitors Receive Loss Of Signal (RLOS) or Loss Of Framing (LOF), C-Bit/P-Bit Errors and AIS. In the event of a failure of either primary T-3 line or a preset error threshold, the unit will switch the customer input to the backup T-3 facility. The units automatically detect whether the T-3 facilities are provisioned for M13 or C-BIT.

Call for Help

When a problem is detected, the TL5120 can dial out a "Call for Help." An integral V.34 modem is available as an option. Failure of the TL5120 will not affect the network. The T-3 signals continue to pass through transparently.

VT100 and TELNET Control

The TL5120 T-3 Automatic Protection Switch can be controlled from a local or remote ASCII console. An integral V.34 modem is available for communication with a remote terminal. The user-friendly console provides for selection of all operating parameters using only five console keys. The TL5120 can also be managed via TELNET. Like other TELINC products, the TL5120 includes an Ethernet interface and can be given an IP address the same as any other device on the user's LAN.

Front Panel LCD Display

The TL5120 can also be controlled from the front panel. The panel includes a two-line by sixteen-character LCD display and eleven LED indicator lights that show power, status and alarms. Parameters are selected by scrolling through values stored in the TL5120. All operations can be performed using only four buttons.

Initial configuration can be done from the VT100, through the ETHERNET interface using TELNET or with the modem.

The TL5120 T-3 Automatic Protection Switch may be rack mounted, wall mounted or used as a standalone. It occupies only 1.75" of vertical rack space.

TL5120

T-3 Automatic Protection Switch

Specifications



The TL5120 back panel includes 5 sets of T-3 BNC connectors, alarm contacts and management ports.

T 3 Ports

NI 2	- TX and RX
BU	2 BNC connectors -
	2 BNC connectors TX and RX
CE 2	S -
Interface Terminations	2 BNC connectors TX and RX
Line Rate	75 ohm
Coding	B3ZS
Framing	M13 or C- -detect or unframed
Rate	10 Mbps, 10 Base T
Mechanical	8-

VT100 Console Port

Interface	-position RJ11
Speed	9600 bps, 8 data, no parity, 1 stop

Auxiliary Port

Interface	-position RJ11
Speed	Programmable

Modem (optional)

Phone line, 6 position, RJ11
2 lines x 16 characters, backlit
11 front panel LEDs
12 watts, 41 BTU/hr

Dimensions

1.75" H x 17.5" W x 10" D
(4.5 cm x 44.5 cm x 25.4 cm)
19" rack/wall mount brackets included

Weight

4 lbs. (1.8 kg)

Operating Temperature

32° to 122°F, 0° to 50°C

Relative Humidity

0% to 95%, non-condensing

TELINC welcomes inquiries on custom products, engineered to meet specific customer requirements

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