

# TL5140

## T-3

### DECHANNELIZER



- Two T-3 Monitor Ports
- Four T-1 ports with dual transmit pairs
- Auto M13/C-BIT and D4/ESF detect
- VT100 Console Port
- Mounts in 1.75" vertical rack space

The Telinc TL5140 T-3 Dechannelizer can select and breakout any four of twenty-eight T-1 channels on a channelized T-3 facility. It can monitor both the transmit and receive path of the T-3 facility simultaneously and provide two transmit pairs out each of the four T-1 ports. Both T-3 Monitor ports on the unit are designed to access the T-3 transmit and receive signals through a DSX3 jack panel. The TL5140 T-3 Dechannelizer includes a 20 dB amplifier on each of the T-3 Monitor ports which enables the unit to recover the attenuated signals.

A built-in cross-connect switch enables the selection of four different T-1 channels.

No configuration is necessary since the TL5140 automatically detects whether the T3 facilities are provisioned for M13 or C-BIT.

#### VT100 Management

TL5140 T-3 Dechannelizer can be controlled from a local or remote ASCII console. The user-friendly console enables selection of the four T-1 channels by hitting the ENTER or BACKSPACE key. Only five keys are used in the total operation of the console.

#### Pass Through

In cases where a DSX3 jack panel is not present, the TL5140 has a Pass Through mode. The Pass Through mode consists of four BNC connectors on the rear of the unit.

Two BNCs are for the transmit T-3 signal and two are for the receive T-3 signal. The two transmit BNCs are wired directly to each other and pass through the unit. The receive BNCs are wired in a similar fashion.

Internally, 750 ohm resistors are tapped onto each pass through signal similar to the monitor jacks on a DSX3 jack panel. The other side of these resistors are attached to the 20 dB amplifiers where these transmit and receive signals can be monitored.

#### Diagnostics

The TL5140 will display the status of both T-3 transmit and receive paths and the four pair of T-1 channels. It will monitor framing, frame errors, line code violations and excessive zeroes on each T-3.

It will also auto detect D4/ESF framing on each dechannelized T-1 to ensure the T-1 being monitored is present.

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### Specifications



<b>T-3 Ports</b>	
Transmit	3 BNC connectors 1 Monitor Input 2 Pass Through
Receive	3 BNC connectors 1 Monitor Input 2 Pass Through
Line Rate	44.736 Mbps
Framing	M13 or C-Bit, auto-detect
Timing Source	Derived from T-3's
<b>T-1 Ports</b>	
Physical	4 RJ 48C - 2 Transmit Pairs in each
Line Rate	1.544 Mbps
Framing	Transparent from T-3
Coding	B8ZS
TX Level	0 dB
Timing Source	Derived from T-3's
<b>Console Port</b>	RS232, ASCII, 9600 bps
<b>Power</b>	90 to 250 VAC 45 to 63 Hz 10 watts, 33.13 BTU/hr
<b>Mounting</b>	Tabletop and 19/23" rack Rackmount kit included
<b>Dimensions</b>	1.75"H x 19"W x 10"D 4.45 cm x 48.26 cm x 25.4 cm
<b>Weight</b>	6 lbs. (2.72 kg)
<b>Operating Temperature</b>	32° to 122°F, 0° to 50°C
<b>Relative Humidity</b>	0% to 95% non condensing

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