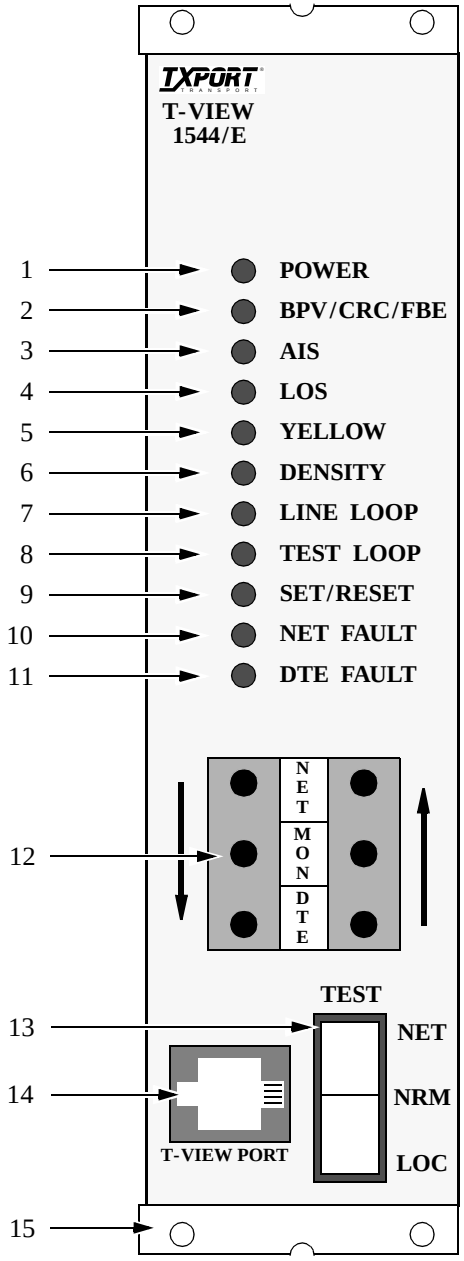
Index	Indicator	Front Panel Description
1	POWER	This green LED lights whenever power is applied to the 1544E unit.
2	BPV/CRC /FBE	This red LED lights (0.1 seconds minimum) for each occurrence of Bipolar Violations (BPV), Cyclic Redundancy Check errors (CRC), or Frame Bit Errors (FBE).
3	AIS	This red LED lights if an unframed all ones signal is detected from the network or DTE.
4	LOS	This red LED flashes with Loss Of Signal from the network or the DTE. It lights constantly if an Out Of Frame (OOF) condition is detected.
5	YELLOW	This red LED lights if a yellow alarm (far end receiver out of sync) is detected from the network or the DTE.
6	DENSITY	This red LED lights if the ones density of the received data from the DTE is less than 12.5%.
7	LINE LOOP	This yellow LED lights if the unit is in a line loop condition.
8	TEST LOOP	This yellow LED lights if the unit is in a local or remote test loop. It flashes if the DC loop pair is activated.
9	SET/RESET	This yellow LED flashes if a set or reset code is being transmitted. It lights if a test is in progress.
10	NET FAULT	This red LED flashes in conjunction with Indicators 2, 3, 4, and 5 to show that the detected fault or error is coming from the network. It lights if a CPU fault has occurred or a fault condition exists on the network.
11	DTE FAULT	This red LED flashes in conjunction with Indicators 2, 3, 4, and 5 to show that the fault or error is coming from the DTE.
12	Test Jacks	These bantam jacks provide access to the T1 line on the DTE side. Refer to the detail on this page.
13	TEST	This is a 3-position rocker switch used for performing a network test or a local loopback. See description below.
14	T-View port	Provides direct terminal access for controlling the CSU and gathering status and facility performance data.
15	Brackets	Use the 2 holes on each bracket to bolt the 1544E to the rack mount kit or wall.



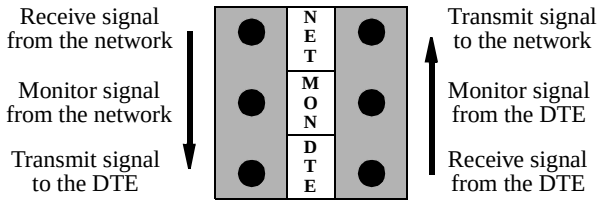
1544E Front Panel

Test Jack Access Ports

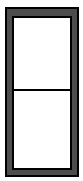
TOP: The NET jack access ports break connection to the DTE and make connection to the CSU in the direction of the network.

MIDDLE: The MON ports are used for monitoring the signals passing through the CSU (between the DTE and the network).

BOTTOM: The DTE ports break connection to the CSU and make connection to the DTE.



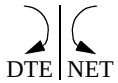
Test Switch



NET (network test): When depressed, the CSU loop code is transmitted for 5 seconds.

NRM (normal operation): When moved from NET back to NRM, the CSU sends a loop down code. When moved from LOC back to NRM, the local loop back is removed.

LOC (local loopback): When depressed, the CSU performs a local, bidirectional loop.



TxPORT Customer Service
127 Jetplex Circle
Madison, Alabama 35758

Customer Service Returns:
800-926-0085, ext. 227

Product Technical Support
(8 a.m. to 5 p.m.)
800-285-2755 or
205-772-3770, ext. 255

After Hours Hot Line:
205-551-7538

Pos	Function	Switch SW2 Description
1	Network Framing	ESF - Formats the network side of the CSU to Extended Superframe Format. D4 - Formats the network side of the CSU to D4.
2	DTE Line Framing	ESF - Formats the DTE side of the CSU to Extended Superframe Format. D4 - Formats the DTE side of the CSU to D4.
3	Line Code	AMI - Sets the line code for the DS-1 signal to Alternate Mark Inversion. B8ZS - Sets the line code for the DS-1 signal to Bipolar 8 Zeros Substitution.
4/5	Network Line Keep Alive	S4=0 and S5=0 - Keep Alive Signal is unframed all ones. S4=0 and S5=1 - Keep Alive signal is framed all ones. S4=1 and S5=0 or 1 - Keep Alive signal is the activation of the line loop back.
6	Zero Suppression	15 - ones density enforcement enabled. 50 - ones density enforcement disabled.
7	Test Pattern	QRS - sends a QRS pattern during a network test. Clear - traffic from DTE is passed through to the network during network test.
8	Yellow Alarm	NORMAL - D4 Yellow Alarm is in S-bit of frame 12. TRANSCODE - D4 Yellow Alarm is bit 2 set to 0 in all frames.

***NOTE**: All factory default settings are shown underlined. This unit is factory preset for normal operation. It may be installed and operated without any adjustment.*

LBO Level

Sets the output signal level of transmitted data. The Telco should provide the proper setting. If unsure of the exact setting, then set to 0 dB.

Network Interface

Pin	Designation
1	Input (Ring)
2	Input (Tip)
4	Output (Ring)
5	Output (Tip)
7, 8	Ground

DTE Interface

Pin	Designation
1	Output (Ring)
2	Output (Tip)
4	Input (Ring)
5	Input (Tip)
7, 8	Ground

T-View In

Pin	Signal
1	Ground
2	Tx Data
3	Rx Data
4	Ground

T-View Out

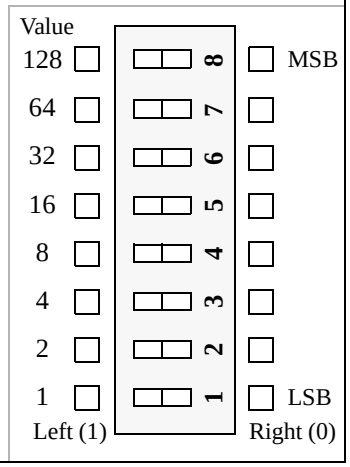
Pin	Signal
1	Ground
2	Tx Data
3	Open
4	Ground

Address Switch SW1

This DIP Switch is used to provide up to 252 unit addresses. The System Controller will recognize addresses from 1 to 252 and uses these addresses to poll and send commands to the various local and remote CSUs. The information is transmitted and received over the CSU's ESF Data Link. The 8 switches are set to a binary address code in the range of 1 to 252.

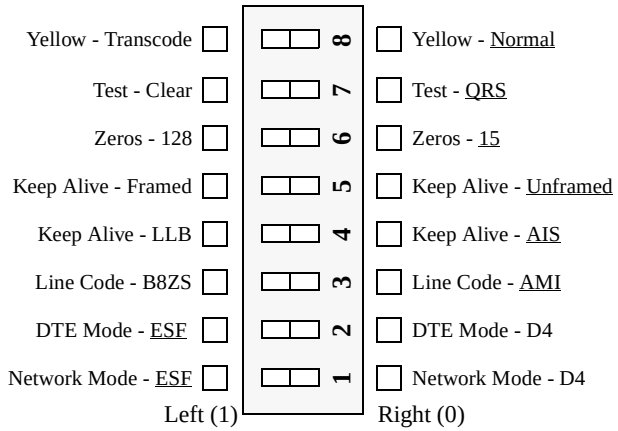
NOTE: Each unit must have a unique address.

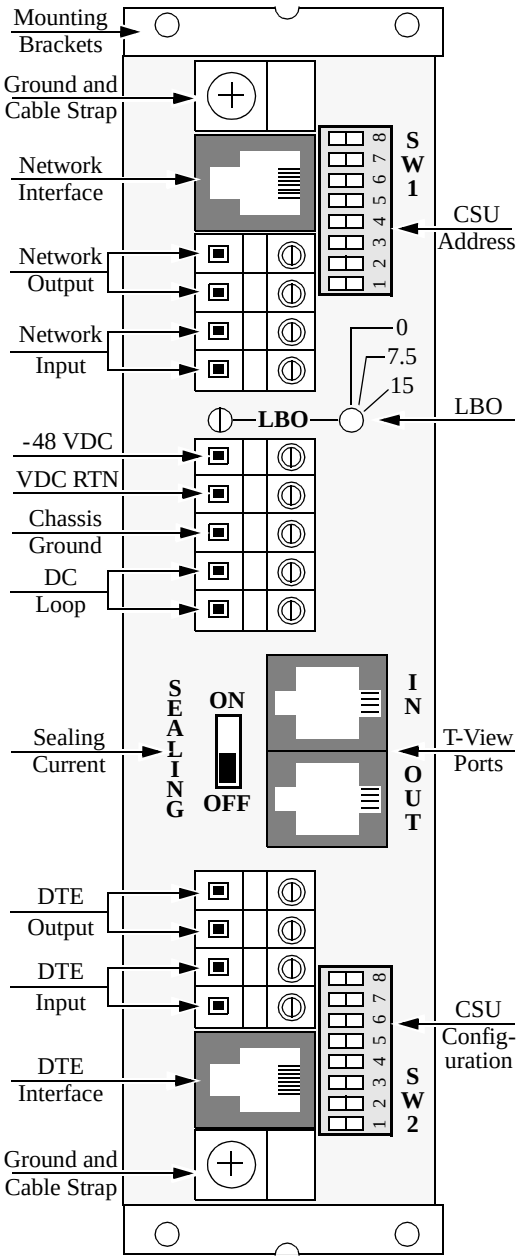
Mark your address selection in the right or left box. Then flip the switch toward your particular selection.



Configuration Switch SW2

Mark your configuration selection in either the right or left box. Then flip the switch toward your particular selection.





1544E Rear Panel