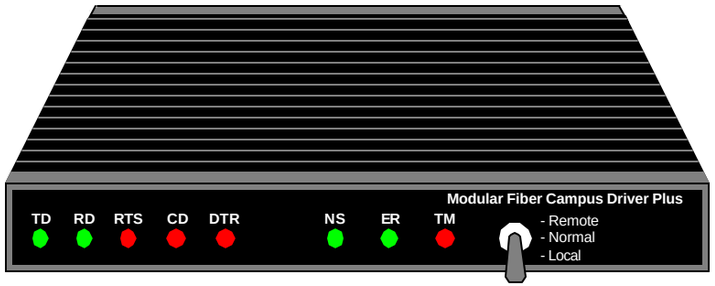

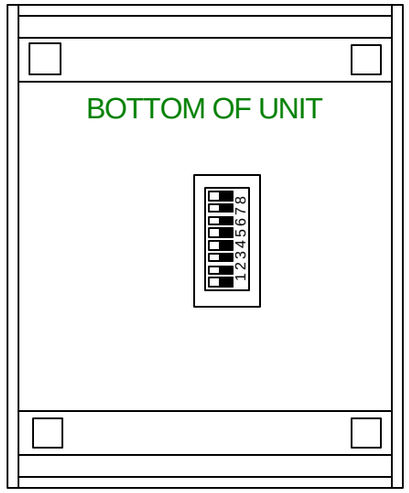

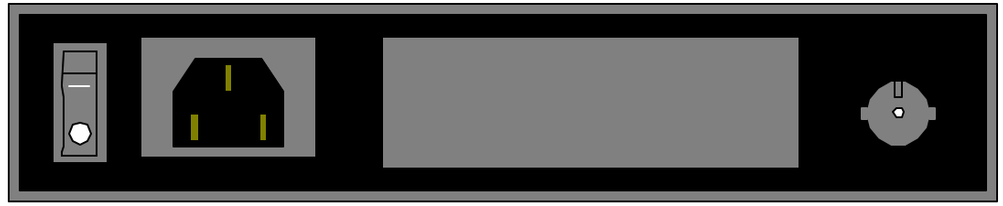

ME620A

SPECIFICATIONS:

Transmission: Asynchronous and Synchronous.

Clocking: Internal, External or derived from receive signal.

Distance: Up to 3 miles (4.8 km).

Data Rates: Asynchronous: 2.4 to 38.4 Kbps;
Synchronous: 2.4, 9.6, 14.4, 28.8, 38.4, 56, 64, 72, 128, 144, 192, 256 Kbps.

Handshaking: Software (X-ON/X-OFF) or hardware (RTS/CTS). Both modes available at all times.

Connectors: (1) Fiber ST

Link Budget: 12 dB (62.5 micron), 8 dB (50 micron)

Diagnostics: V.54 Compliant; Local Analog Loopback and Remote Digital Loopback bit-error-rate pattern

Fiber Modes: Single 50- or 62.5 micron core, multi-mode fiberoptic cable.

LED Indicators: TD, RD, RTS, DTR, ER, NS and TM.

Interface Modules: EIA RS-232/CCITT V.24, RS-232/530, CCITT V.35, X.21, Ethernet Bridge and G.703.

Power: 85 to 256 VAC universal-input power supply, 50/60 Hz.

CONFIGURATION OF S1:

S1-1 through S1-4 set two parameters: synchronous or asynchronous data rate and the maximum transmission distance between two Model ME620A's.

S1-1	S1-2	S1-3	S1-4	Data Rate (Kbps)	Max Distance in mile (km):	
ON	OFF	OFF	ON	0-19.2	3.0 (4.8)	ASYNC SETTINGS
ON	OFF	OFF	OFF	0-38.4	1.5 (2.4)	
ON	ON	ON	OFF	2.4	1.5 (2.4)	
OFF	ON	ON	ON	9.6	3.0 (4.8)	
ON	OFF	ON	OFF	14.4	1.5 (2.4)	
ON	OFF	ON	ON	19.2	3.0 (4.8)	
OFF	OFF	ON	OFF	28.8	1.5 (2.4)	
OFF	OFF	ON	ON	38.4	3.0 (4.8)	
ON	ON	OFF	ON	48.0	3.0 (4.8)	SYNC SETTINGS
OFF	ON	OFF	OFF	56.0	1.5 (2.4)	
OFF	OFF	OFF	ON	64.0	3.0 (4.8)	
OFF	ON	ON	OFF	72.0	1.5 (2.4)	
OFF	OFF	OFF	OFF	128.0	1.5 (4.8)	
ON	ON	OFF	OFF	144.0	1.5 (2.4)	
OFF	ON	OFF	ON	192.0	1.5 (2.4)	
ON	ON	ON	ON	256.0	1.5 (2.4)	

S1-5 and S1-6: Clock Source are set in combination to determine the transmit clock source.

S1-5	S1-6	SETTING:	DESCRIPTION:
ON	OFF	Internal	Transmit clock generated internally
ON	ON	Internal	Transmit clock generated internally
OFF	ON	External	Transmit clock derived from terminal interface
OFF	OFF	Received Recover	Transmit clock derived from the received line signal

Switch S1-7: DTE Control of DL determines whether DTE control of remote digital loopback test is enabled or disabled. If DTE control is disabled, the DL test can only be initiated by the front-panel switch. If DTE control is not available, set switch S1-7 to the OFF position.

S1-7	SETTING:	DESCRIPTION:
ON	Enabled	Respond to DL requests from DTE
OFF	Disabled	Ignore DL requests from the DTE

Switch S1-8: DTE Control of LAL determines whether DTE control of local analog loopback test is enabled or disabled. If DTE control is disabled, the LAL test can only be initiated by the front-panel switch. If DTE control is not available, set switch S1-8 to the OFF position.

S1-8	SETTING:	DESCRIPTION:
ON	Enabled	Respond to LAL requests from DTE
OFF	Disabled	Ignore LAL requests from the DTE