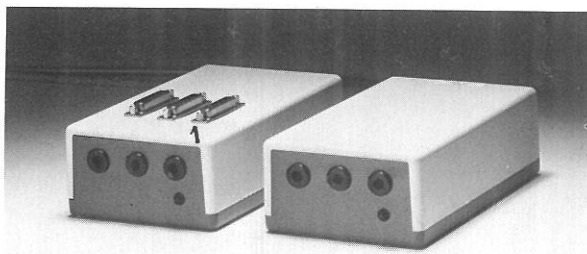


LS-01 LS-02

LINE SPLIT MODEMS



LS-01

LS-02

The Line Split Modems LS-01 and LS-02 can be used to connect up to three different full duplex asynchronous serial lines according to specs EIA RS 232 or CCITT V.24/V.28. All three channels are connected completely symmetrical (Y model) or channel #1 is used as a priority channel (V model).

The Y model is completely symmetrical. Data transmitted on any one channel is received by the other two channels.

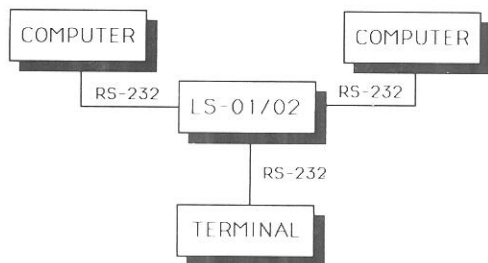
The V model has channel #1 as master channel. Data transmitted on channel #1 is received by channels #2 and #3. Data sent on channels #2 or #3, however, is only received by channel #1.

For each channel there is an optional connection to an opto-isolated balanced current loop. This interface can be used to transfer data over longer distances (up to 10 km). At the other end of the line another Line Split Unit or our KM-1 modem can be used.

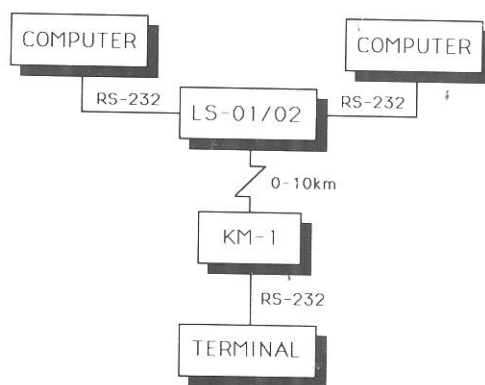
LS-02 is a lower cost unit than LS-01, as the 25-pin connectors for terminal connection are replaced by screw terminal blocks.

TYPICAL SYSTEMS APPLICATIONS

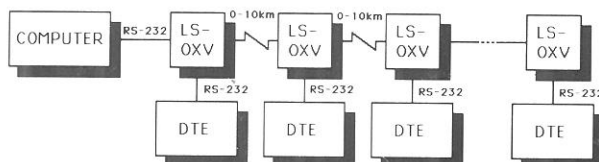
Below only a few examples of the versatility of the Line Split Modems are shown. The units are very flexible and their applications are only limited by your own imagination.



Two computers share one terminal.



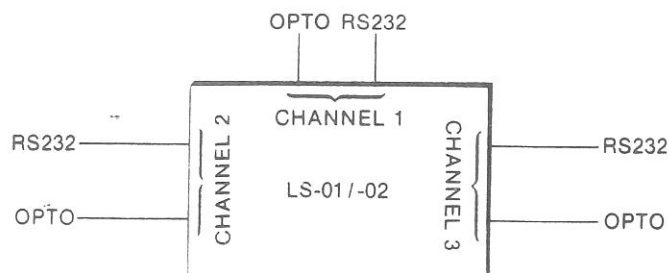
Two computers share one terminal. The terminal is in a remote location.



Line Split Units used in multi-drop line for polled terminals.

FEATURES

- Asynchronous transmission
- Full duplex
- 0 - 19.2 kbits/s (any rate)
- EIA RS232/CCITT V.24, V.28
- Opto-Coupler isolation
- Three terminals can share one line
- Three interfaces
- Local links up to 10 km
- Easy to use
- Small size
- Low cost
- High reliability



SPECIFICATIONS

Interface	Either EIA RS232/CCITT V.24 or ± 10 mA balanced current loop for each channel						
DTE Connection	DB25S Connectors (LS-01) — Screw Terminals (LS-02)						
Transmission	Asynchronous, simplex or half/full duplex						
Speed	Any rate from 0 to 19.2 kbits/s (no strapping necessary)						
Line	Simplex: One twisted pair — Full duplex: Two twisted pairs						
Max line distance	19200	9600	4800	2400	1200	600	bits/s
	0.5	0.9	1.5	3	5	10	km
Isolation	Opto-coupler						
Test voltage	1500 V						
Power	110/220 VAC ± 10 %, 50/60 Hz (Factory option) — Other supplies on request						
Indicator	Power on (Red LED)						
Dimensions	110x188x67 mm						
Weight	0.75 kg						
Mounting	Wall-mounted or table top						
Temperature range	5 - 50 °C						
Humidity	0 - 95 % RH, non-condensing						

DTE CONNECTION

Terminal No (LS-02)	P.n No (LS-01)	RS232 Designation	Signal Name	Remark (LS-01)	Remark (LS-02)
8	1	AA	Protective Ground		CA, CB, CC, CF, and CD are not available in LS-02
6	2	BA	Transmitted Data		
5	3	BB	Received Data		
-	4	CA	Request To Send	CA looped back to CB	
-	5	CB	Clear To Send		
-	6	CC	Data Set Ready	CD looped back to CC and CF	
7	7	AB	Signal Ground		
-	8	CF	Received Line Signal Detector		
-	20	CD	Data Terminal Ready		

TRANSMISSION LINE CONNECTION (To LS-01/02 Screw Terminals)



Note: If shielded cable is used, just connect the shield at one end of the transmission line.

ORDERING INFORMATION

LS-01Y LS-01, Y model. Three DB25S Connectors for terminal connection.
 LS-01V LS-01, V model. Three DB25S Connectors for terminal connection.
 LS-02Y LS-02, Y model. Screw terminal blocks for all connections.
 LS-02V LS-02, V model. Screw terminal blocks for all connections.
 LS-02VF As LS-02V but automatic by-pass at power fail.

How



WESTERMO TELEINDUSTRI AB
 S-640 40 ST. SUNDBY SWEDEN

We reserve the right to change specifications without prior notice