



TXLD TX1000 Keyboard Line Driver



Installation Guide



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IMPORTANT

Please read the following points before servicing or installing:

Pre-installation checks - It is recommended that the unit be bench tested prior to installation on the site.

Safety during installation or servicing - Particular care should be taken to isolate the pan/tilt head in order to prevent operation while engineering work is being carried out. In addition any ladder or other means of working on the receiver **MUST NOT** rest on the pan/tilt head as it is possible for the head to move when not expected.

Safety check - Upon completion of any service or repairs to the unit, safety checks should be performed to ensure that the unit is in proper operating condition.

Coax grounding - If an outside cable system is connected to the unit, be sure the cable system is grounded.

Adhere to safety standards - All normal safety precautions as laid down by British Standards and the Health and Safety at Work Act should be observed.

WARNING - TO PREVENT DANGER OF FIRE OR SHOCK, DO NOT EXPOSE THE INTERNAL COMPONENTS OF THIS EQUIPMENT TO RAIN OR MOISTURE.

Damage requiring service - Servicing by qualified personnel should be carried out under the following conditions:

- (a) When the power supply cord or plug is damaged;
- (b) If liquid has been spilled, or objects have fallen into the unit;
- (c) If the unit does not operate normally by following the operating instructions.
- (d) If the unit has been dropped or the enclosure is damaged;

Replacement Parts - If replacement parts are required, ensure that only replacement parts recommended by the product manufacturer are used.

Additional information – It is strongly recommended that this equipment is pre-built in the installer's workshop, to ensure problem free installation at the customer's premises.

Introduction

The TXLD is a simple to install and cost effective device for use with a TX1000 Keyboard, when the cable length exceeds 50m.

The TXLD converts the RS232 data to 4 wire RS422 and then back to RS232 at the opposite end. This enables the data to be transmitted over cable lengths up to 1200m using recommended cable type 'BELDEN 8723'. The TXLD's are supplied with sticky pads for easy wall mounting.

Unpacking

The kit contains:-

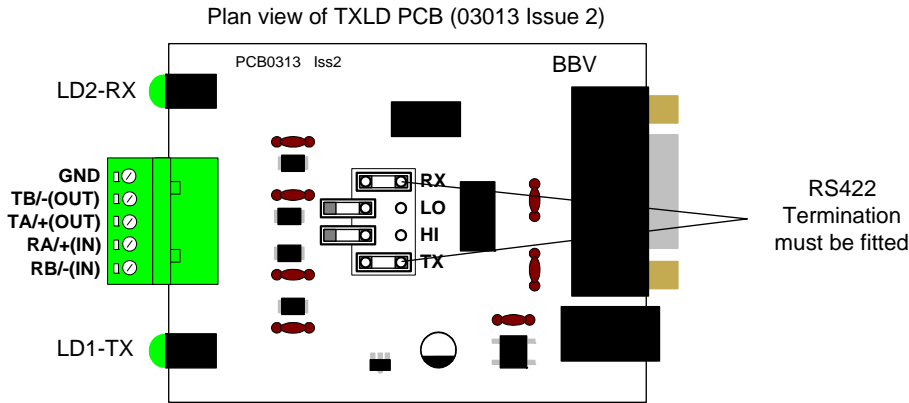
Part number	Description	TXLD x 2	Manual	Modem cable (SA-PL61-1)	Sticky pads x 4	Extended warranty card
TXLD	TX1000 keyboard line driver	X	X	X	X	X

Technical Specification

Power requirements	9 – 12V AC/DC
Max load	<50mA at 12V
Input	RS232 3 wire, TX/RX/Ground, DB9F
Outputs	RS485 twin twisted pair, green IMO connector
Facilities	LEDs to show TX & RX data TXLD powered from matrix at the base unit TXLD powered from keypad's PSU at remote end
Box dimensions	50mm (h) x 112mm (d) x 260mm (w)
Width	58mm
Length	83mm
Height	27mm
Compatible Equipment	TX1000 series base units/keypads, RS232 serial extension of BBV compatible equipment Most 3 wire RS232 links can be extended
Temperature range	-10°C to +40°C

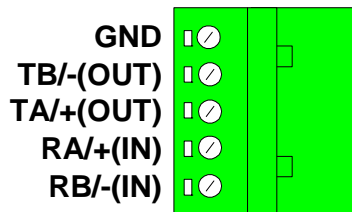
Installation

Both TXLD units are shipped with the links in place for RS422 termination:

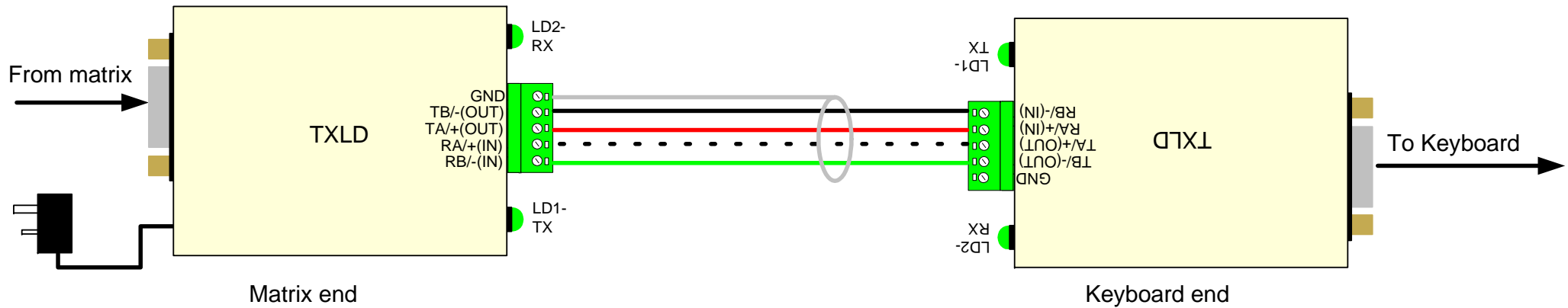


Mount one TXLD unit close to the TX1000 matrix, and the other next to the additional keypad. Interconnect both units with twin twisted pair cable, ensuring the cable run is away from sources of interference and high current carrying cables.

Connection of the twin twisted pair wires to the TXLD units is made via the green IMO connectors:



It is important to maintain correct polarity and ensure that RX and TX cross over between the TXLDs:



Installing the TXLD at the TX1000 Matrix

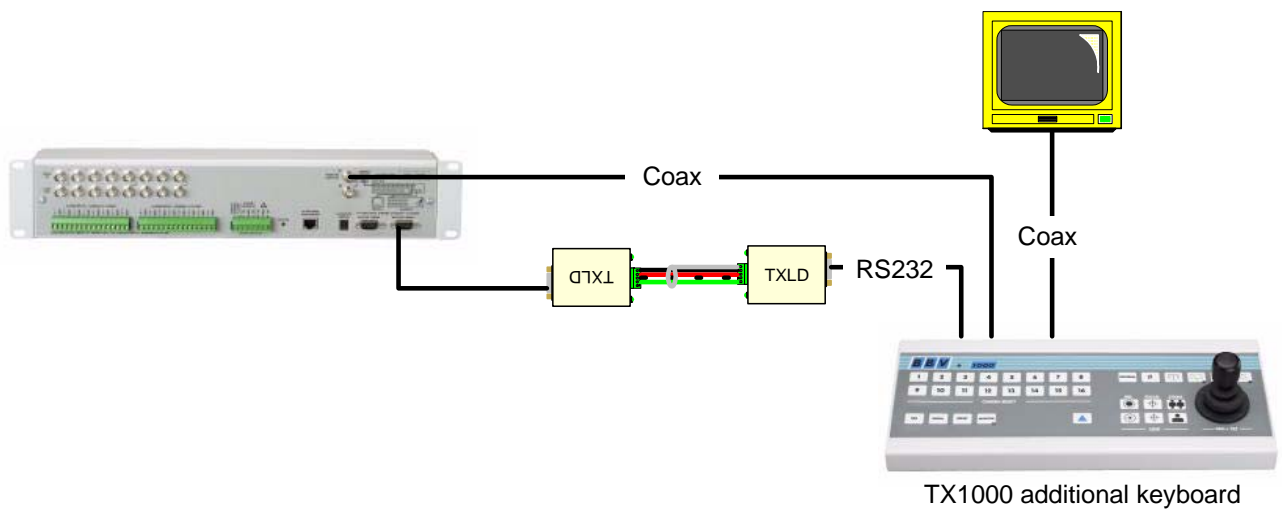
After connecting the twin twisted pair cable, connect to the TX1000 Matrix via the 'Keypad 2 RS232' port with the serial lead supplied (SA-PL61-1). The TXLD does not require a power supply, it obtains power from the matrix.

Installing the TXLD at the Keypad

Connect the power supply for the additional keypad to the power connector on the TXLD, and connect the keypad cable to the DB9 connector on the TXLD. The keypad will not need a separate power supply as it is now powered through the serial lead.

For onscreen text, the video connection will need to be made from the monitor output on the TX1000 Matrix through the additional keypad to a monitor.

System wiring diagram



LED Status information

- LD1 – Flashes to show the TXLD is transmitting data
- LD2 – Flashes to show the TXLD is receiving data

Extend your BBV Warranty from 12 months to 3 years

As of the 1st September 2008 BBV have offered our customers the opportunity to extend the standard 12 month warranty to 3 years.


You must register for the extended warranty within 12 months of the date of manufacture.

How to register for the 3 year warranty

Registering for the new, longer 3 year warranty term is quick and easy.

Either:

Complete the warranty application card that comes in the box with your BBV product, and return it FREEPOST to BBV:





BBV 3 Year Warranty

If this card is returned with the serial number of the product and the Installation company details BBV will extend the warranty period from 12 Months to 36 Months.

Number of Units, Start Serial No. Final Serial No.

Contact Name: _____
Company Name: _____
Phone Number: _____
Site Name: _____
Address 1: _____
Address 2: _____
Address 3: _____
Post Code: _____
e-mail address: _____

Please could you send me information especially on:
 Rx100s
 Rx45x & Rx55x
 FBM Video Matrices
 Tx1500 Video Matrices
 Starcard & Starcard Converters
 BBV Quad
 Pick A Point

Do you read:  

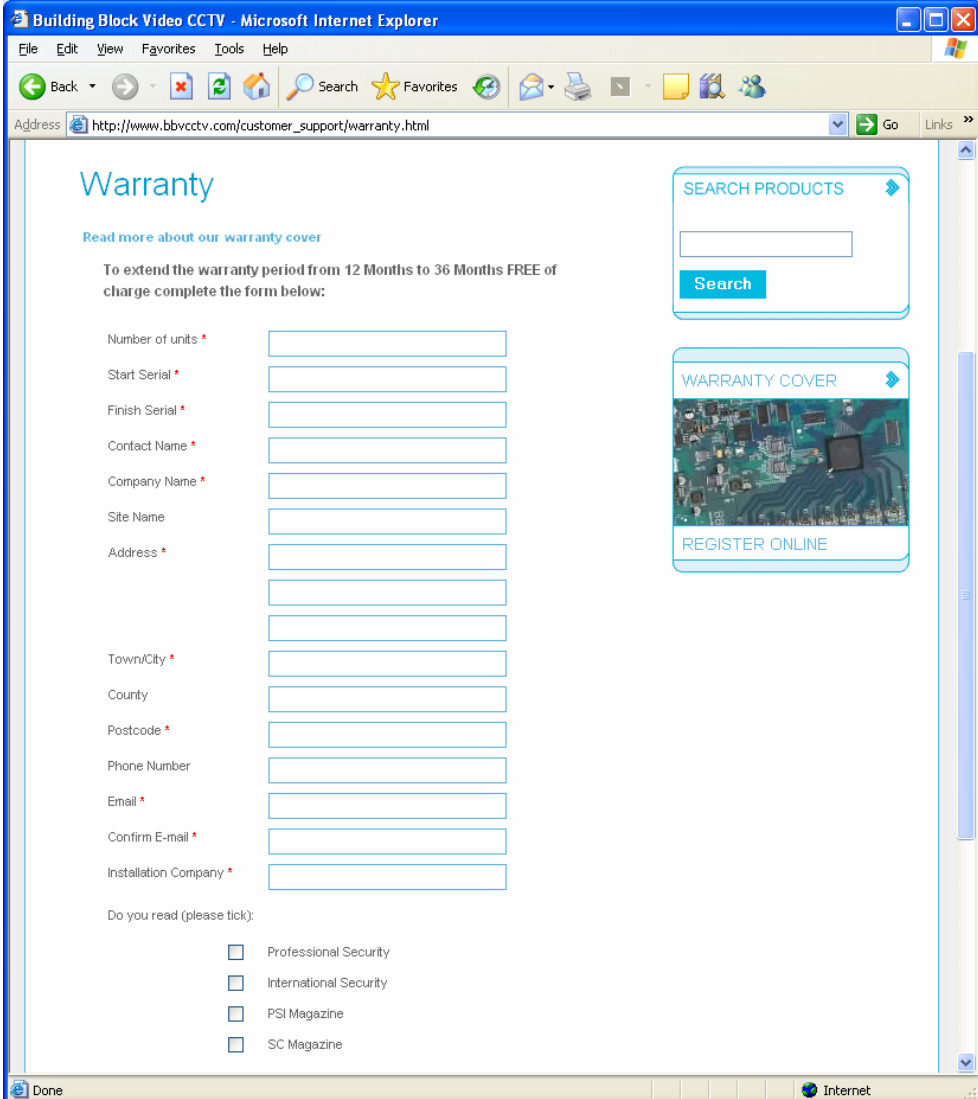
I do not require any other further product information.
Please refer to WWW.BBVCCTV.COM for terms, conditions & exclusions

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Or alternatively:

Register online at: www.bbvctv.com

Simply enter your details on the 'Warranty Cover' page.



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