

Overview

The Kinematics CommOptic Model 2163 provides a conversion from RS232 to RS422/485 with optically isolated transmit and receive circuits to eliminate noise problems associated with earth loops. The RS422/485 Protocol provides further noise immunity and increased transmission distance over conventional RS232.

Features

- 220 to 240VAC Power supply (other voltages including DC are available)
- Max Baud rate 19,200bps (76,800 bps on high speed versions)
- RS232 connector 25 pin female DB25F
- RS422/485 connector 9 pin male DB9P
- Indicator LED's for transmit, receive and mode (ie. RS422 or RS485)
- Mode selection by external links on the 9 pin DB9P connector
- RS485 direction change by RTS or DTR
- Provision for internal line termination

Dimensions

80mm wide X 150mm high X 50mm deep



Manufactured by:

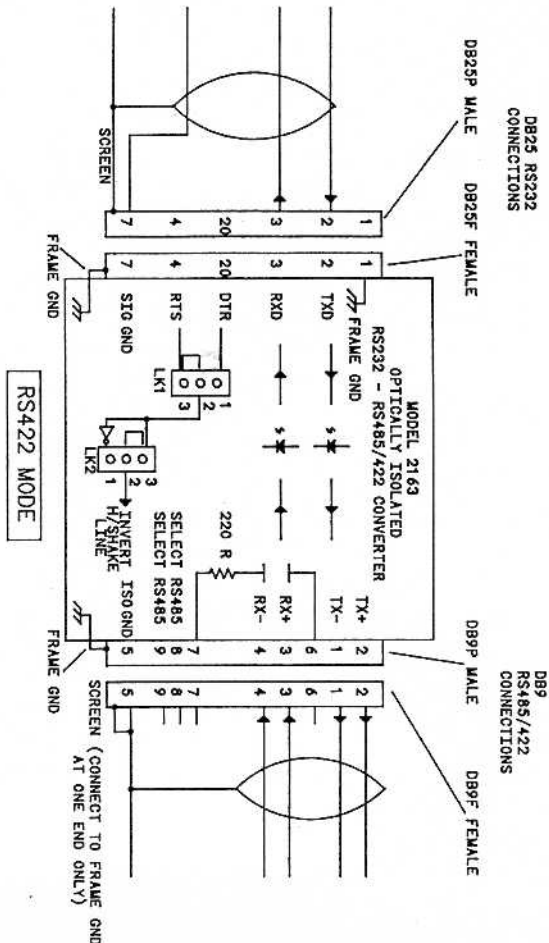
Kinematic Controls Limited

13 Spring Street, Papatoetoe, Auckland NEW ZEALAND

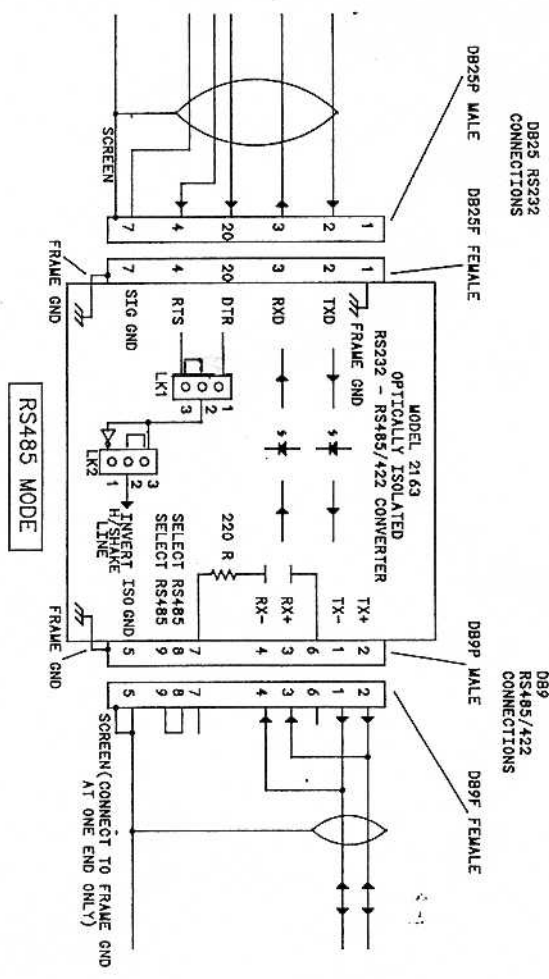
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Doc 2163-601-401

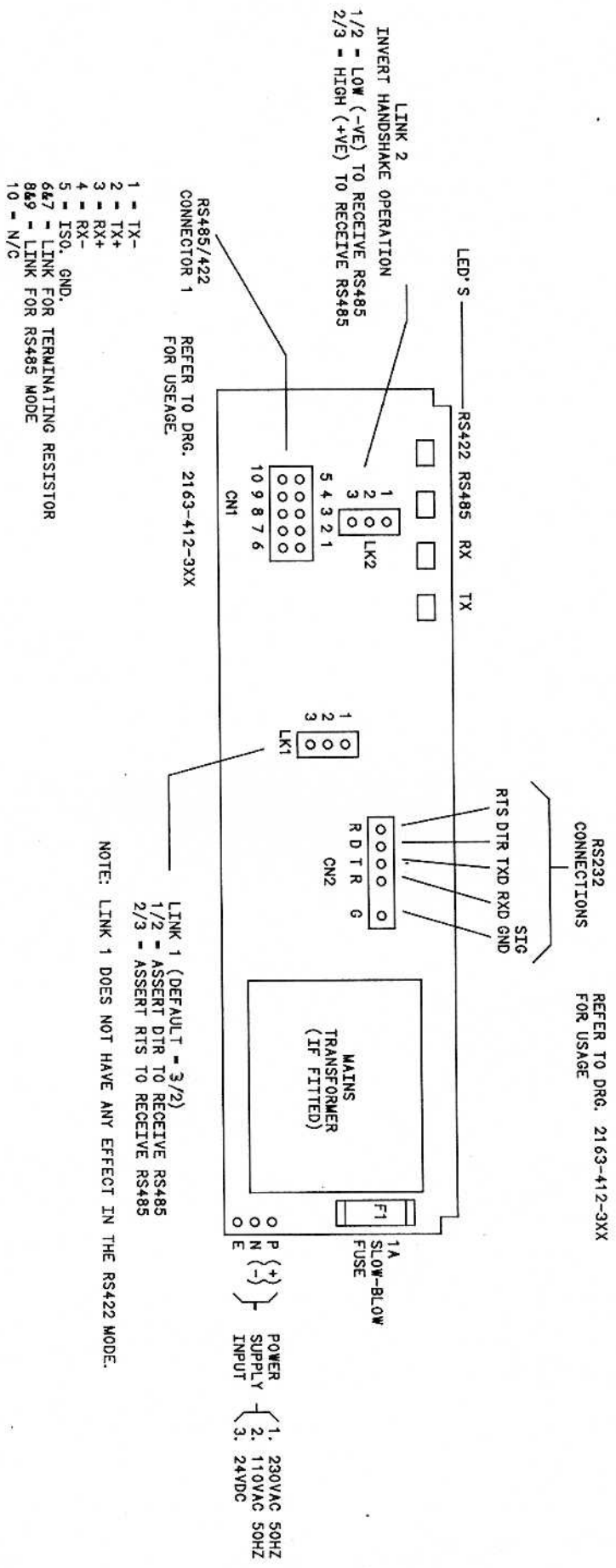


NOTES: - DB9 TERMINALS 8 AND 9 LEFT OPEN TO SELECT RS422.
 - IF REQUIRED LINK DB9 TERMINALS 6 AND 7 TO TERMINATE THE RS422 RECEIVE LINE.
 - DTR AND RTS HAVE NO EFFECT IN THE RS422 MODE.



NOTES: - LINK DB9 TERMINALS 8 AND 9 TO SELECT RS485 MODE.
 - IF REQUIRED LINK DB9 TERMINALS 6 AND 7 TO TERMINATE THE RS485 LINE.
 - RS485 RECEIVE IS ENABLED BY DTR OR RTS AS SET BY LKT (DEFAULT - 3/2)
 1/2 - DTR HIGH (+VE) TO RECEIVE RS485
 2/3 - RTS HIGH (+VE) TO RECEIVE RS485

DRAWN JGC		TITLE	
TRCD		KINEMATIC CONTROLS LIMITED	
CHKD		CONNECTION DIAGRAM FOR	
APPD		RS232 TO RS422/485	
DATE	10-12-93	CONVERTER - MKII	
		DRAWING NO	2163-412-303
		ISSUE	03
		SHEET 1 OF 1	



DRAWN		JGC	TITLE	
TRCD			CONNECTOR & LINK LAYOUT	
CHKD			FOR RS232 TO RS422/485	
APPRD			CONVERTER PCB - MKII	
DATE		10-12-93	DRAWING NO 2163-413-303	
			ISSUE 03	
			SHEET 1 OF 1	

KINEMATIC CONTROLS LIMITED