Interface Converter QuickStart Guide

The DIN485+ (Item# 1104) and DIN485+I (Item# 1105) ship configured for full duplex RS-422 mode and do not require software for default operation. You will have to open the unit and configure the dip switches for any other electrical interface. The dip switches control RS-422 and RS-485 modes, line termination, pull-up and pull-down resistors, and echo suppression. For detailed configuration information, refer to the manual included on the software CD. Instructions for opening the enclosure follow:

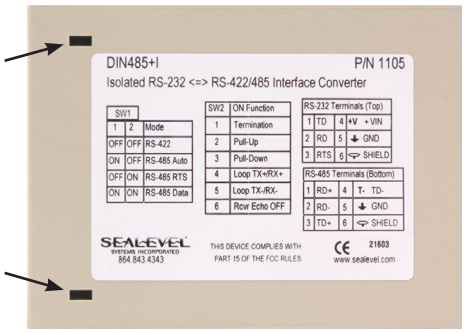
Step 1

Step 1 In order to open the enclosure, four corner tabs must be unsnapped and four locking side tabs must be released. Begin by locating the four corner tabs that are shown here.

Step 2 Gently insert a small flat blade screwdriver between the terminals and enclosure and unsnap the tab. Repeat this step for each of the three remaining tabs.


Step 2

Step 3 The two locking tabs on each side, which are actually part of the terminals, must be released in order to remove the board. Gently pull the beige enclosure away from the terminals on each side. At the same time, grasp the terminals and slide the board out of the enclosure.



Step 3

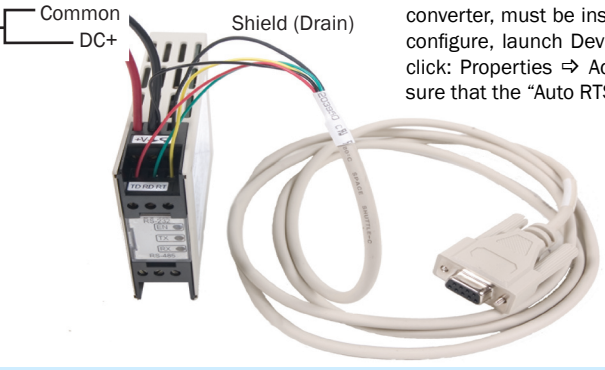
Step 4 The configuration of the converter can be achieved by using the dip switches located at (SW1) and (SW2) on the board. Dip switch (SW1) controls the electrical interface mode. Dip switch (SW2) controls line termination, pull-up & pull-down resistors, two-wire RS-485 mode, and echo suppression. These tables can also be found on the enclosure and the board itself. Refer to the manual for detailed configuration information.

SW1		
1	2	Mode
OFF	OFF	RS-422
ON	OFF	RS-485 Auto
OFF	ON	RS-485 RTS
ON	ON	RS-485 Data

SW2	ON Function
1	Termination
2	Pull-Up
3	Pull-Down
4	Loop TX+/RX+
5	Loop TX-/RX-
6	Receiver Echo OFF

Optional Cable and Power Supply Connection

Customer supplied 10-30 VDC
(optional power supplies listed below)



Optional Sealevel Power Supplies:		
Item#	**Input**	**Output**
PS101	120-240 VAC	24 VDC
PS102	120-240 VAC	12 VDC
TR104	120 VAC	12 VDC

Note: RTS is only required to be connected if using software controlled RS-485. The SeaCOM driver, which is included with the converter, must be installed and configured for (RTS) RS-485. To configure, launch Device Manager, select Com [XX] Port ⇨ right click: Properties ⇨ Advanced tab. On the Advanced tab, make sure that the "Auto RTS RS-485" check box is selected.

CA186 Pin Out (RS-232)
TD = Red
RD = Green
RTS = Yellow
⏚ = Black (Ground)
⚲ = Shield (Drain)