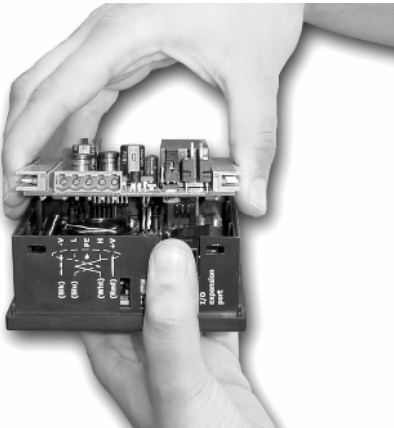
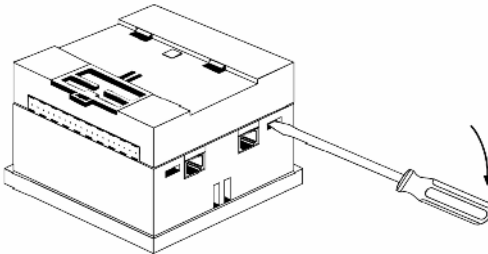


RS232 to RS485: Changing Jumper Settings

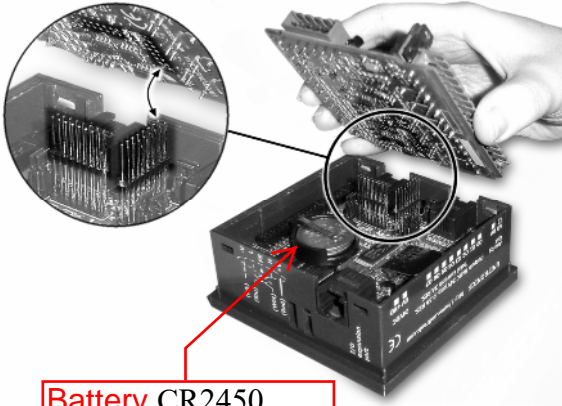
- Ports can be set to either RS232 or RS485 according to jumper settings.
- To access the jumpers, you must open the controller, and then remove the module's PCB board. Before you begin, turn off the power supply, disconnect and dismount the controller.
- When a port is adapted to RS485, Pin 1 (DTR) is used for signal A, and Pin 6 (DSR) signal is used for signal B.
- If a port is set to RS485, **and** flow signals DTR and DSR are not used, the port can also be used to communicate via RS232; with the appropriate cables and wiring.



- Before performing these actions, touch a grounded object to discharge any electrostatic charge.
- Avoid touching the PCB board directly. Hold the PCB board by its connectors.



1. Turn power off before opening the controller.
2. Locate the 4 slots on the sides of the controller.
3. Using the blade of a flat-bladed screwdriver, gently pry off the back of the controller.
4. Gently remove the top PCB board:
 - a. Use one hand to hold the top-most PCB board by its top and bottom connectors.
 - b. With the other hand, grasp the controller, while keeping hold of the serial ports; this will keep the bottom board from being removed together with the top board.
 - c. Steadily pull the top board off.
5. Locate the jumpers, and then change the jumper settings as required. Jumper settings are shown on page 7



Battery CR2450
3V Lithium coin type

RS232

Jumper Settings			
	Jumper	RS232*	RS485
COM 1	1	A	B
	2	A	B
COM 2	5	A	B
	6	A	B

RS485 Termination		
Jumper	ON*	OFF
3	A	B
4	A	B
7	A	B
8	A	B

*Default factory setting.

