

F22 M-Bus board (FCM2)

The M-Bus board enables the F22 to communicate with the M-Bus protocol.

Function

The M-Bus board can be installed in both in mains-powered F22 or battery powered F22. This board has no processor and works as a signal-relay board. The M-Bus board comes in two versions:

- Two-wire M-Bus
- RS-232 connection (4-wire connection).

The LED marked "LD1" will be led when a powered M-Bus loop is connected to the calculator.

Isolated

The M-bus board for F22 provides galvanic isolation between the calculator and the M-Bus loop.

Installation

1. Make sure the component side is facing the terminals and the white line of the option board is aligned the white line on the F22 connection board.
2. Put the board in slot PL1

Card slot

Only slot PL1 allowed.

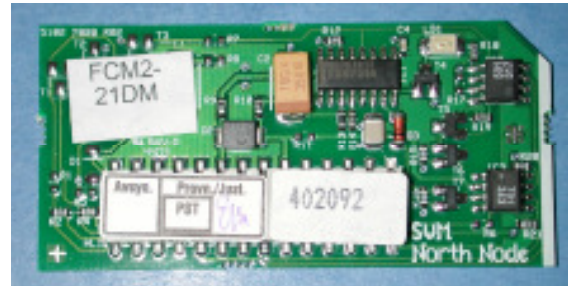
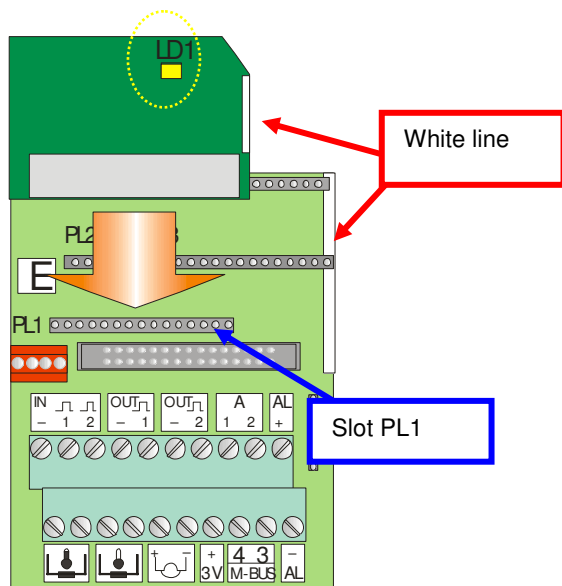


Fig.1, F22 M-Bus board (FCM2), component side

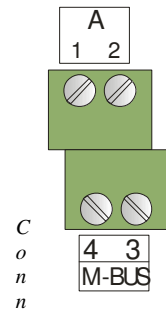
Connection

2-Wire M-Bus (FCM2-21DM)

Connect terminal marked "M-Bus". M-Bus is polarity insensitive.

RS232/M-Bus (FCM2-21DM)

Terminal	Function to (DCE)	9-Pole D-Sub
1	RXD →	2
2	DTR ←	4
3	TXD ←	3
4	GND --	5



Connection table for a device type (DTE), e.g. PC

Ordering

There are two versions of the option board.

- FCM2-21DM F22 M-Bus board for 2-Wire connection
- FCM2-21DR F22 M-Bus board for RS-232 connection