



FTM1811-EN Mimic Display Board Product Manual

Characteristic

- 60 outputs for LED activation
- 1 dry contact output for buzzer
- 2 inputs for "Buzzer silence" and "Lamp test"
- Communication with controller via FR18-BUS(CAN-Bus) (individual address)
- External 24VDC power required
- Input/output are not monitored

Application

- Max. length to controller 800m
- Max. length to LED 500m
- Max. 16 units of FTM1811 can be connected to each controller
- Configured via FC18 configuration tool

The below table shows the relationship between max. quantity of connectable FTM1811 and the distance to controller under 24 VDC power supply:

Distance to controller	1000m	800m	600m	400m	200m
Max. quantity of FTM1811	0	1	1	2	4

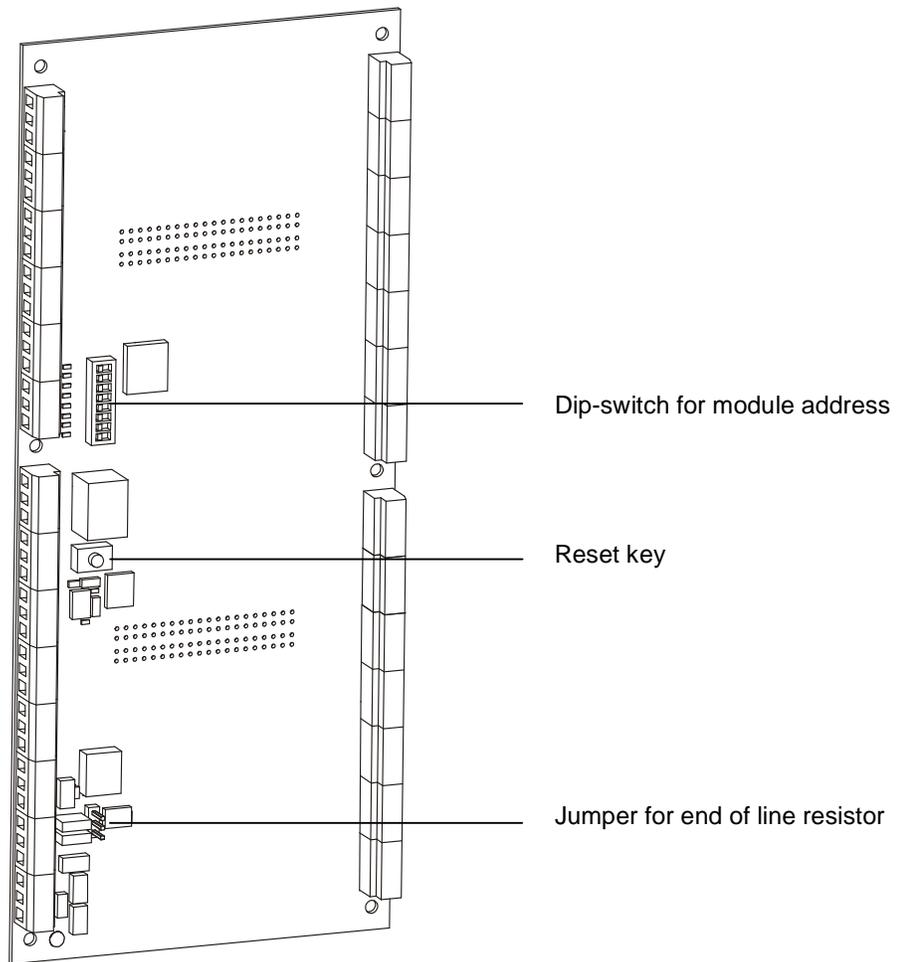


Fig.1

Dip-switch: To set FTM1811 FR18-BUS(CAN-Bus) address, digit 1~5 are available for address 1~31, digit 6~8 are reserved.

Address	Digit1~5					Digit 6~8		
	1	2	3	4	5	6	7	8
0	Off	Off	Off	Off	Off	Off	Off	Off
1	On	Off	Off	Off	Off	Off	Off	Off
2	Off	On	Off	Off	Off	Off	Off	Off
3	On	On	Off	Off	Off	Off	Off	Off
4	Off	Off	On	Off	Off	Off	Off	Off
5	On	Off	On	Off	Off	Off	Off	Off
⋮								
31	On	On	On	On	On	Off	Off	Off

Reset Key: To reset FTM1811.

Jumper for end of line resistor: It must be set as position 2 when the FTM1811 is placed at the end of FR18-BUS(CAN-Bus) line.

1		Resistance is unlimited (default)
2		Resistance is 120 ohm

Installation

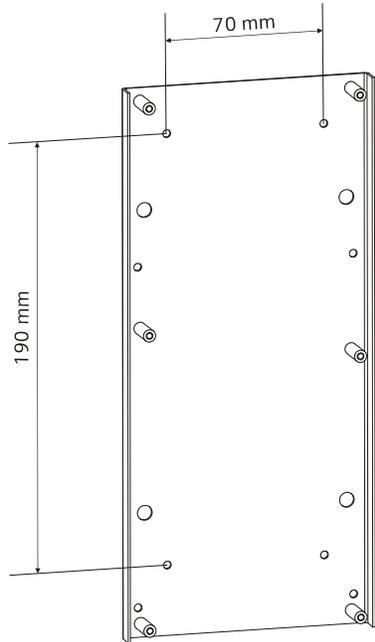


Fig.2 Installation size for wall-mounted

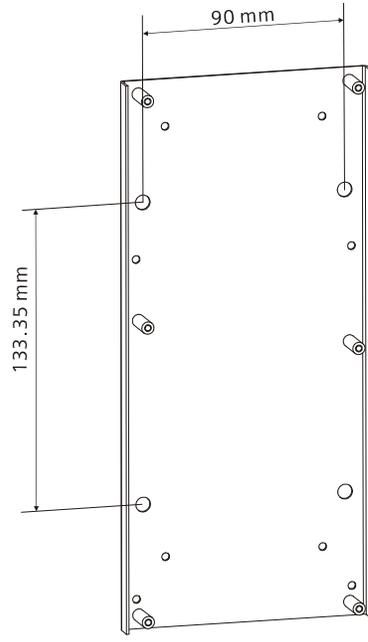


Fig.3 Installation size for rack-mounted

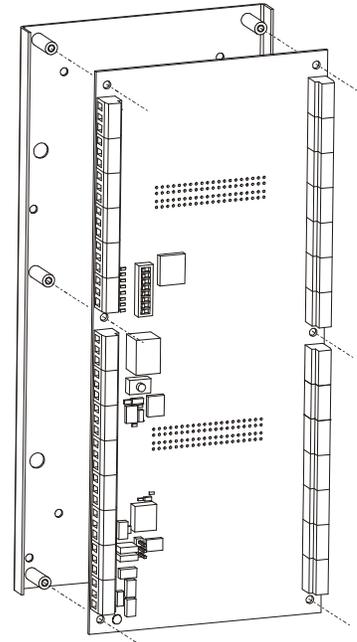


Fig.4 Installation of PCB

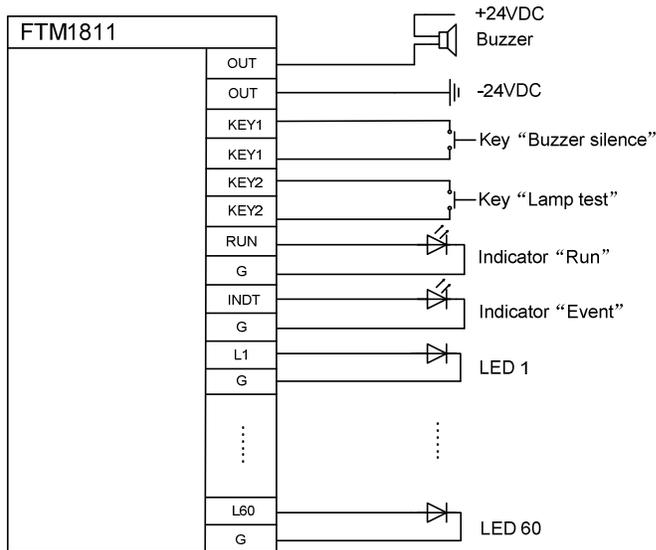


Fig.5 Connection diagram 1

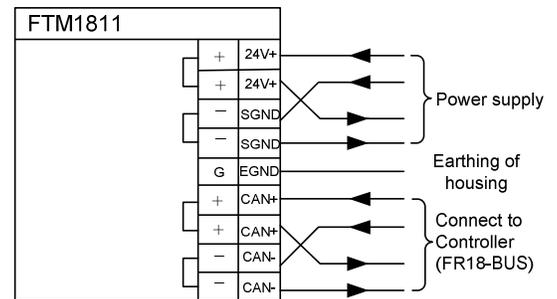


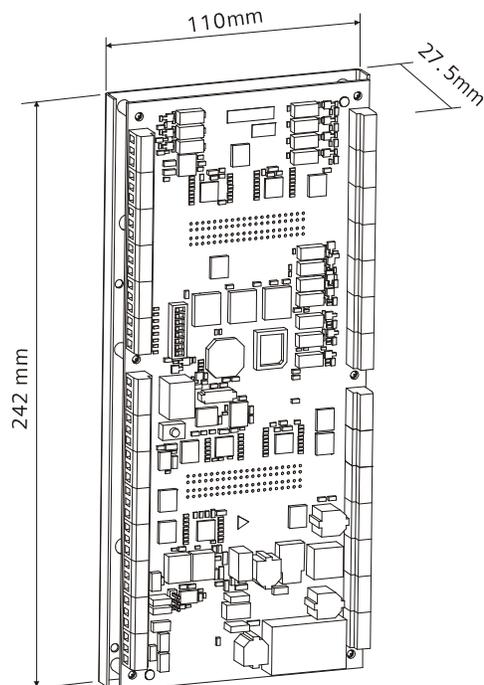
Fig.6 Connection diagram 2

Procedure:

1. Define the place of installation:
 - Outside an electric cabinet or controller (indoor only)
 - In an electric cabinet or in controller
2. Use four screws to fix the metal board of FTM1811 in controller/electric cabinet or on the wall (refer to Fig.2/Fig.3).
3. Install PCB board on the metal board (refer to Fig. 4).
4. Connect the cables to the terminals (refer to Fig. 5./Fig.6)
5. Connect the jumper depending on if the FTM1811 is placed the end of FR18-BUS(CAN-Bus) line (refer to Fig.1).

Note: Wiring capacity should be more than 1.5 mm² .

Dimensions



Specification

Operating voltage	24 VDC \pm 30%
Operating current (quiescent)	100 mA
Max. current	200 mA
Rated output per LED	10 mA
Max. current per LED	15 mA
Operating temperature	-3 ... +42 °C
Storage temperature	-20 ... +60 °C
Humidity	\leq 95 % rel.
Communication protocol	FR18-BUS
Connection terminals	1.0 ... 1.5 mm ²

Details for ordering

Type	Part No	Designation	Weight
FTM1811-EN	100838434	Mimic Display Board	0.75 Kg

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