



OVERVIEW

M-Bus Master / M-Bus Converter is dedicated to convert M-Bus signal to RS232/RS485 and vice versa. Up to 250 M-Bus devices can be connected to M-Bus Master / M-Bus Converter.

FEATURES

- RS485 transmission direction: automatic
- MAX amount of M-Bus devices: 250 (375mA)
- M-Bus short connection protection: yes
- Power supplier: 90-250V ~, 50-60Hz
- Mounting type: on DIN rail

TECHNICAL DATA

Interfaces

RS232:	up to 15m, speed up to 9600 bods
RS485:	automatic chose of direction, max 32 transivers, speed up to 9600 bods
M-Bus:	up to 250 loads (375mA)

LED indication

Off line – M-Bus not loaded (ON)
Overload – M-Bus short connection
Operating – M-Bus power (ON/Off)
RXD – M-Bus data transfer
TXD – M-Bus data receive

General

Power supply:	90-250V~, 50-60Hz
Over-voltage protection:	>1000V
Power consumption:	300mA MAX
M-Bus line power:	mark 36-40V, space 24-27V
Adjustment to M-Bus loads:	Automatic
M-Bus short circuit event current:	≥500mA
M-Bus short circuit reaction time:	Configurable, 1-4s.
Recover after short connection:	Configurable,10-60s.

Galvanic isolation between

Power and RS232/RS485
Power and M-Bus
M-Bus and RS232/RS485

Physical characteristics

Dimensions:	105x75x45 mm
Weight:	170 g
Case fixing type:	DIN32
Protection type:	IP20

Climate conditions

Operating temperature:	-20 .. +50°C
Storage temperature:	-50 .. +70°C
Humidity range:	5 – 95%, non-condensing

Regulatory approvals

Electromagnetic compatibility

EN 55022:2010
EN 55024:2010
EN 61000-4-2:2009
EN 61000-4-3:2006
EN 61000-4-3:2006/A1:2008
EN 61000-4-3:2006/A2:2010
EN 61000-4-4:2004
EN 61000-4-4:2004/A1:2010
EN 61000-4-6:2009

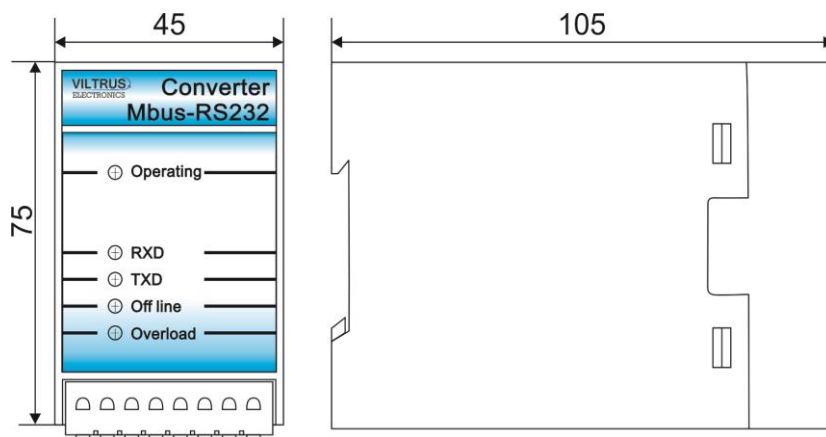
Safety

EN 60950-1:2006+A1:2010+A11:2009+A12:2011

Warranty

Warranty period:	2 years
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DIMENSIONS (mm)



ORDERING CODE

Interface

1	RS485-MBus
2	RS232-MBus

WIRING SCHEME

RS485 (1)

Contact No.	Signal
1	MBus+
2	MBus-
3	T+/R+
4	T-/R-
5	GND
6	
7	~220V Neutral
8	~220V Line

RS232 (2)

Contact No.	Signal
1	MBus+
2	MBus-
3	TXD
4	RXD
5	GND
6	
7	~220V Neutral
8	~220V Line

Manufacturer:

JSC "VILTRUS"

Bitininkų str. 74-3, LT-46373 Kaunas, Lithuania

Phone: +370 640 65040

E-mail: sales@viltrus.com

Web: www.viltrus.com

Distributor: