

MASTERVOLT

THE POWER TO BE INDEPENDENT

MasterBus AC Master Interface

Interface from MasterBus to AC Master



USER AND INSTALLATION MANUAL

1000014535/02

1 GENERAL INFORMATION

Use of this manual

This manual serves as a guideline for the safe and effective operation of the MasterBus AC Master Interface. Keep this manual at a secure place!

Warranty

Mastervolt assures the product warranty of the AC Master Interface during two years after purchase, on the condition that the product is installed and used according to the instructions in this manual.

Installation or use not according to these instructions may result in under performance, damage or failure of the product and may void this warranty. The warranty is limited to the cost of repair and/or replacement of the product. Costs of labour or shipping are not covered by this warranty.



CAUTION!

Never remove the identification label.

Liability

Mastervolt can accept no liability for:

- consequential damage due to use of the AC Master Interface;
- possible errors in the manuals and the results thereof;
- use that is inconsistent with the purpose of the product.

Disclaimer

Our products are subject to continual development and improvement. Therefore, additions or modifications to the products may cause changes to the technical data and functional specifications. No rights can be derived from this document. Please consult our online Terms & Conditions of Sale.

Correct disposal of this product



This product is designed and manufactured with high quality materials and components, which can be recycled and reused. When this crossed-out wheeled bin symbol is attached to a product, it means the product is covered by the European Directive 2012/19/EU.

Please be informed about the local separate collection system for electrical and electronic products.

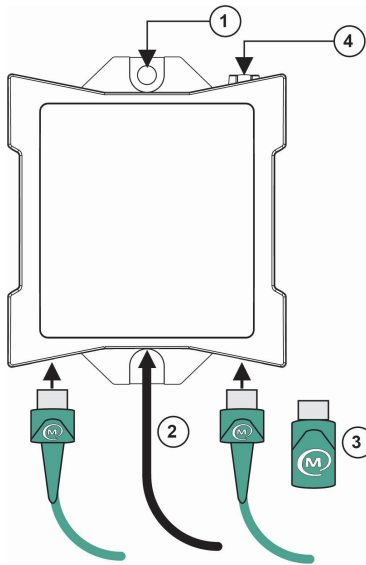
Please act according to your local rules and do not dispose of your old products with your normal household waste. The correct disposal of your old product will help prevent potential negative consequences to the environment and human health.

2 COMPATIBILITY

The AC Master Interface supports the following AC Master sine wave inverters:

AC Master 12/700	AC Master 24/700
AC Master 12/1000	AC Master 24/1000
AC Master 12/1500	AC Master 24/1500
AC Master 12/2000	AC Master 24/2000
AC Master 12/2500	AC Master 24/2500
AC Master 12/3500	

3 INSTALLATION



Steps:

The step numbers correspond to the numbers in the drawing.

- ① Mount the AC Master Interface to any flat surface. The AC Master Interface comes with a DIN rail mount option. Alternatively, use the two mounting holes.
- ② Insert the RJ11 cable (included, 1m) and connect to the remote input of the AC Master inverter.
- ③ Insert the MasterBus cable (included, 1m) and make sure that the MasterBus network is properly terminated at the two ends with a terminating device (one included).
- ④ A flashing LED indicates that the MasterBus communication is working.

4 OPERATION

The following table shows the AC Master Interface MasterBus functions.

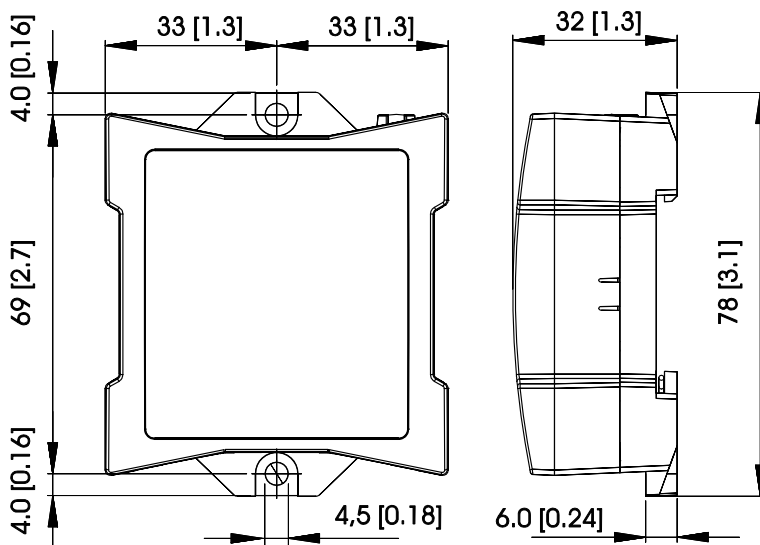
MONITORING	DESCRIPTION	ADJUSTABLE RANGE
General		
Device state	Shows the current operation mode: Not connected, On, Bypass, Alarm	(read only)
On/Off	Button to switch the device on or off [default: On]	On, Off
Battery		
Voltage	Battery voltage	(read only)
AC input		
Voltage	Input voltage	(read only)
Power	Input power	(read only)
AC output		
Voltage	Output voltage	(read only)
Power	Output power	(read only)
Frequency	Output frequency	(read only)
ALARM		
High battery	High battery voltage alarm	(read only)
Low battery	Low battery voltage alarm	(read only)
Temperature	AC Master temperature is too high	(read only)
Overload	Output overload	(read only)
System error	AC Master error	(read only)
CONFIGURATION		
Device		
Language	Interface menu language on a monitoring device connected to the MasterBus network [default: English]	EN, NL
Name	User defined device name, visible throughout the MasterBus network [default: AC Master]	Up to 12 Characters
Type	AC master model	(read only)
EVENTS		
Event target	Select a target device in your system	System dependent
Event command	Select a command	Target dependent
Event data	Select the way the command should act on the source	See relevant product manual

The previous table lists the events with the interface as source. The AC Master Interface can also serve as target. It can be switched On and Standby in the configuration of another MasterBus device.

CONFIGURATION	DESCRIPTION	ADJUSTABLE RANGE
Device Event command	Select a command from the drop-down list [default disabled]	On, By-pass, Alarm

5 SPECIFICATIONS

Model:	MasterBus AC Master Interface
Product code:	77032700
Delivery also includes:	<ul style="list-style-type: none"> – MasterBus terminating device – MasterBus cable (1m) – RJ11 cable (1m) – User manual
Languages available:	English, Dutch
Current consumption:	35 mA
MasterBus Powering:	No
DIN rail mounting:	Yes, DIN rail 30 mm [1.2 inch]
Protection degree:	IP 21
Dimensions:	66 x 78 x 32 mm [2.6 x 3.1 x 1.3 inch]
Weight:	70 g [0.15 lb]



Dimensions in mm [inch]

MASTERVOLT
THE POWER TO BE INDEPENDENT

Mastervolt B.V.
Snijdersbergweg 93
1105 AN Amsterdam
The Netherlands

Tel.: +31-20-3422100

Email: info@mastervolt.com

Web: www.mastervolt.com