



USERS MANUAL / GEBRUIKERSHANDLEIDING
BETRIEBSANLEITUNG / MANUEL D'UTILISATION
MANUAL DE UTILIZACION / INSTRUZIONI PER L'USO

Digital AC 1x6A

AC relay for digital switching



MASTERVOLT
Snijdersbergweg 93,
1105 AN Amsterdam
The Netherlands
Tel.: +31-20-3422100
Fax.: +31-20-6971006
www.Mastervolt.com

ENGLISH:	PAGE 1
NEDERLANDS:	PAGINA 5
DEUTSCH:	SEITE 9
FRANÇAIS:	PAGINA 13
CASTELLANO:	PÁGINA 17
ITALIANO:	PÁGINA 21

1 GENERAL INFORMATION

1.1 Use of this manual

Copyright © 2009 Mastervolt. All rights reserved.
Reproduction, transfer, distribution or storage of part or all of the contents in this document in any form without the prior written permission of Mastervolt is prohibited.

This manual serves as a guideline for the safe and effective operation of the Digital AC 1x6A.

Keep this manual at a secure place!

1.2 Guarantee specifications

Mastervolt guarantees that this product was built according to the legally applicable standards and stipulations. If you fail to act in accordance with the regulations, instructions and stipulations in this user's manual, damage can occur and/or the product will not fulfil the specifications. This may mean that the guarantee will become null and void.

IMPORTANT: Additional warranty agreements, like "Mastervolt system warranty" may contain restrictions which forbid resetting of historical data. The standard guarantee period is two years after date of purchase.

1.3 Liability

Mastervolt can accept no liability for:

- consequential damage due to use of the Digital AC 1x6A;
- possible errors in the manuals and their results;
- Use that is inconsistent with the purpose of the product.



CAUTION!

Never remove the identification label.

2 OPERATION

2.1 MasterBus functions

The Digital AC 1x6A operation is entirely MasterBus based. See www.mastervolt.com for information

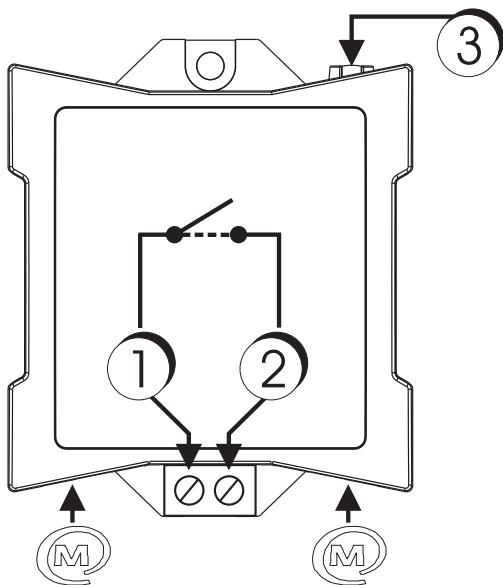
about MasterBus and the MasterBus event structure. The table below shows the relay functions.

Monitoring	Description	Default	Range
State	Relay can be switched On (activate) or Standby	Standby	Standby/ Activate
Control	Change the state of the relay	Standby	Activate/ Standby
Configuration General			
Language	Set the MasterBus Digital AC menu language	English	See specifications
Device name	Any name you wish with 12 characters max	AC Relay	12 characters max
Events locked	Check box for installers to lock event configuration. Only operable by installers.	Unchecked	Unchecked/ Checked
Configuration Timing			
Min. runtime	Check box to enable the function <i>Minimum runtime</i> for switching the relay.	Unchecked	Unchecked/ Checked
Min. runtime	Minimum runtime setting	15 minutes	1-65535 minutes
Max. runtime	Check box to enable the function <i>Maximum runtime</i> for relay switching the relay.	Unchecked	Unchecked/ Checked
Max. runtime	Maximum runtime setting	480 minutes	1-65535 minutes
Event commands			
Activate	The Digital AC 1x6A can be switched On (activate) or Standby.	-	-
MPC stop	MPC (Maximum Power Control) prevents a power source from being overloaded. At <i>MPC stop</i> the AC 1x6A disconnects the load.	-	-
MPC reduce	At the end of <i>MPC reduce</i> the AC 1x6A reconnects the load.	-	-

3 INSTALLATION

3.1 Overview

Insert the MasterBus cables, then connect the relay cables to the screw terminal input and output, see below.



Functional scheme of the Digital AC 1x6A

1. Input
2. Output (normally open)
3. Communication LED, illuminating when the state is "activate"

 MasterBus connector

Function:

Standby: Relay is open,

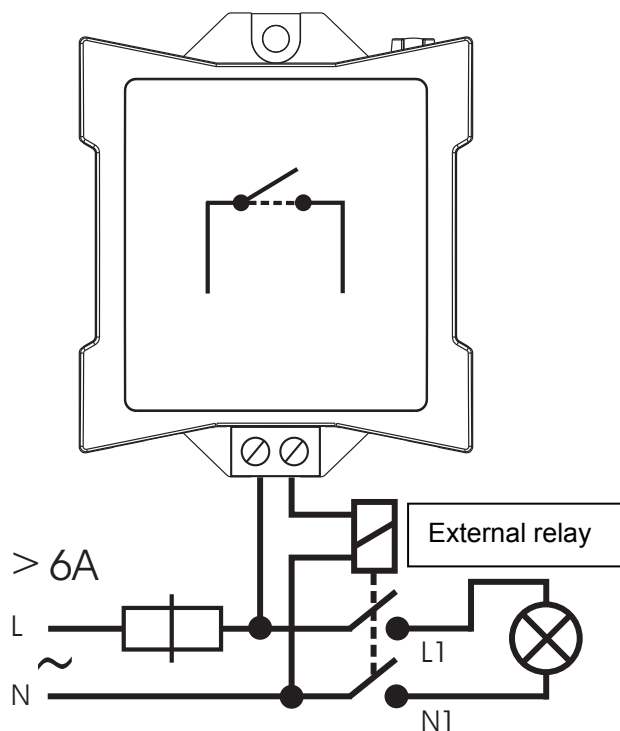
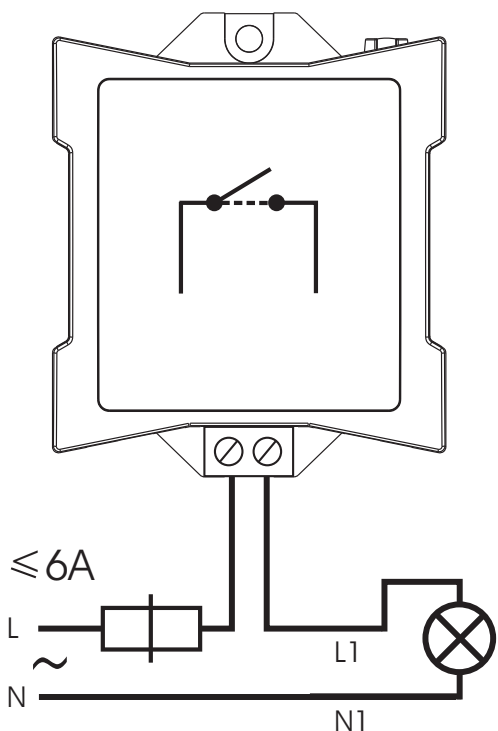
Activate: 1 is connected to 2,

Maximum relay current: 6A.

3.2 Installation schemes

The Digital AC 1x6A is suitable for switching currents up to 6A. For currents above 6A you need an external relay which is controlled by the AC 1x6A.

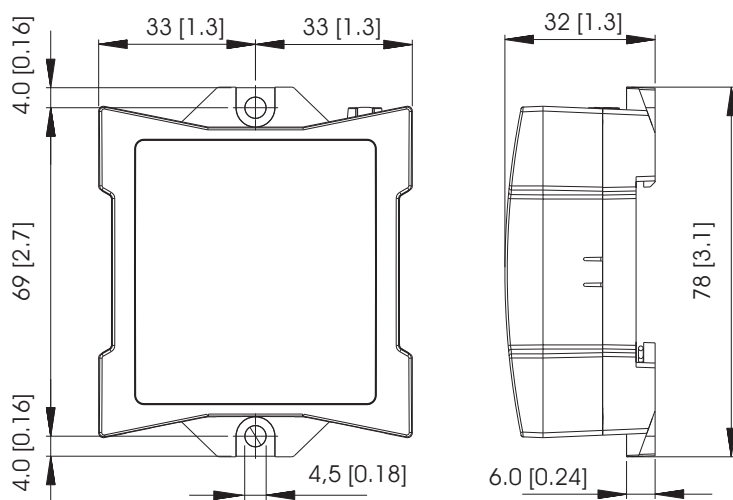
You also need to add a fuse like shown for load protection.



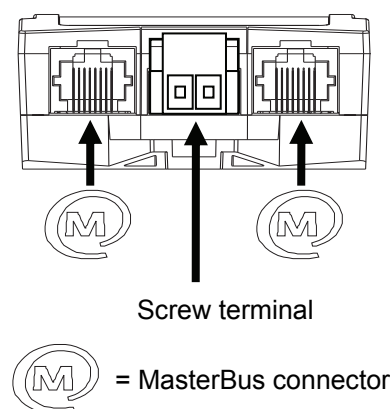
Installation schemes for currents up to 6A and above

4 SPECIFICATIONS

Model:	Digital AC 1x6A
Article number:	77031500
Delivery also includes:	Screw terminal, MasterBus cable, MasterBus Terminating device, User's manual
Function of instrument:	MasterBus controlled AC relay
Potential free contact:	1:C, 2:NO – 6A / 230 V AC
Languages available:	English, Nederlands, Deutsch, Français, Castellano, Italiano, Norsk, Svenska, Suomi, Dansk
Power consumption:	132 mW
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]; see drawing below
Weight:	Approx. 80 gr [0.18 lb]



Dimensions in mm (inch) and connections



5 EC DECLARATION OF CONFORMITY

This product is in conformity with the provision of the EC EMC directive 89/336/EEC and amendments 92/31/EEC, 93/68/EEC. Standards applied:

Generic emission standard: EN 50081-1:1992,

Generic Immunity standard: EN 50082-1:1997,

Safety directive 2006/95/EC, with the following standard,

Low voltage standard: EN 60950: 2000.

 **MASTERVOLT**

Snijdersbergweg 93, 1105 AN Amsterdam, The Netherlands

Tel : + 31-20-3422100

Fax : + 31-20-6971006

Email : info@mastervolt.com