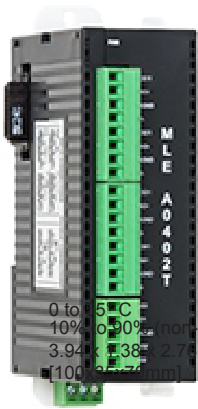


Operating Temp: 0 to 55°C
 Humidity: 10% to 90% (non-condensing)
 Dimensions (LxWxH): 3.94 x 1.38 x 2.78 inches
 (100 x 35 x 71 mm)



Doc. No. 1011-0326

Maple Systems, Inc. 808 134th St SW, Suite 120, Everett, WA 98204-7333 www.maplesystems.com

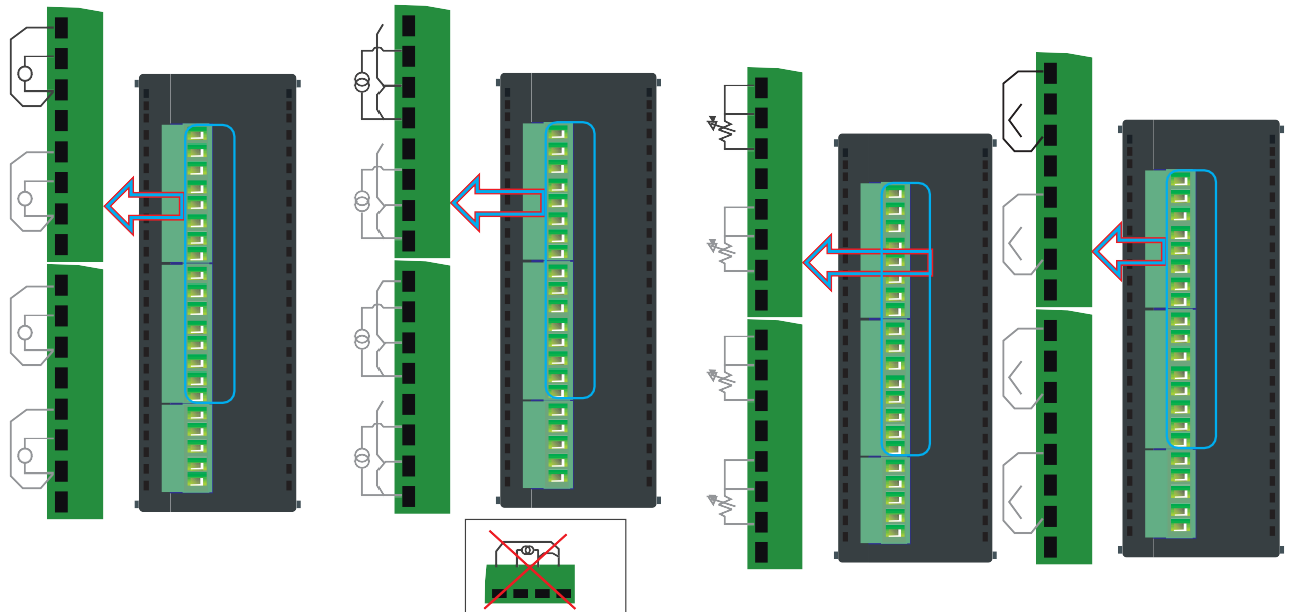
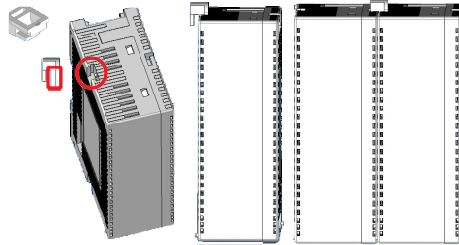
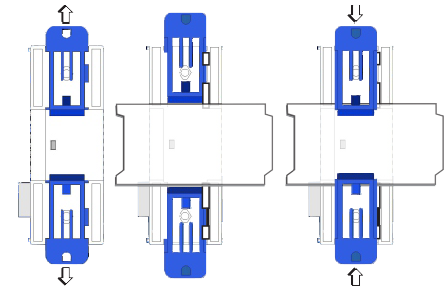
Rev 00, 04/03/2018

TC
+
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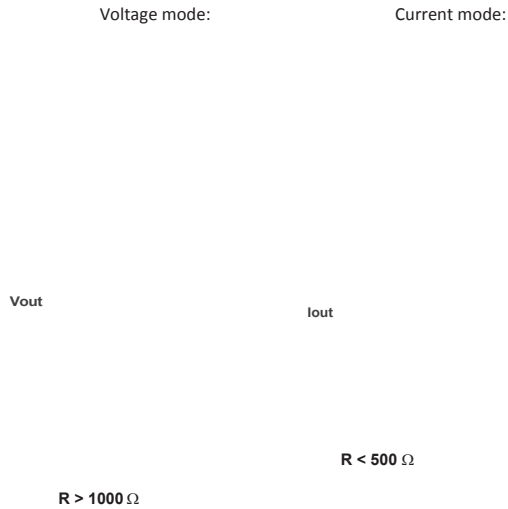
Improper Connection for current:

mA + -

CURRENT



Wiring Diagram for Analog Outputs:



Input Channel Mode	Value	Input Channel Mode	Value
Not Defined	0	Thermocouple- Type B	11
Voltage (0-100mV)	1	Thermocouple- Type R	12
Voltage (0-50mV)	3	Thermocouple- Type S	13
Current (0-20mA)	5	Thermocouple- Type E	14
Current (4-20mA)	7	Thermocouple- Type J	15
Voltage (0-10V)	19	Thermocouple- Type K	16
Voltage (1-5V)	20	Thermocouple- Type N	17
RTD PT100 (alpha1)	9	Thermocouple- Type T	18
RTD PT100 (alpha2)	10		

Output Channel	Value	Mode
		Not Defined
		Current (4-20mA)
		Voltage (0-10VDC)

Note: Reference these tables, when configuring each Configuration Register (MWnn06-MWnn26).

Configuration:

Use MAPware-7000 to configure the expansion port, in which the module is installed, using the module's model number.

The input (X and XW), outputs (Y and YW), and configuration (M and MW) memory addresses are used to interact with the module. These addresses are created according to the slot location of the module, where nn refers to the slot number (ex. 01...16):

Function	Register	Access
Input Channels 1-4	XWnn00-03	Rd Only
Output Channels 1-2	YWnn00-01	Read/Write
Input Ch 1 Configuration	MWnn06	Read/Write
Input Ch 2 Configuration	MWnn10	Read/Write
Input Ch 3 Configuration	MWnn14	Read/Write
Input Ch 4 Configuration	MWnn18	Read/Write
Output Ch 1 Configuration	MWnn22	Read/Write
Output Ch 2 Configuration	MWnn26	Read/Write
Input/Output Conversion Enable	MWnn30	Read/Write

The Input/Output Conversion Enable is used to notify the MLC of any changes to the configuration of the I/O channels. After using a MW register to configure the operating mode, write a value of '1' to this register.

To configure the expansion module in your MAPware-7000 project:

1. Start a new project.
2. In the Select Product dialog box, select your MLC base CPU model.
3. In the Project Information Window, expand the IO Allocation folder, then click on the Expansion folder to display the current IO Slot configuration table. Double-click one of the slots to display the IO Allocation window:

Select the MLE model.

1. Check the "Add tags for XW, YW, and MW used for expansion modules" option. The tags for the selected IO module are added to the Tags database when you press the OK button.
2. Some MLE modules (ex. MLE-0808NH) have additional settings (i.e. HSC or PWM) that can be configured by pressing the Configure button. Note: if the selected MLE module has no additional options, the Configure button will not be present.
3. Check the "Download Configuration Settings" option. Any changes that were made using the Configure button will be sent to the MLC the next time you download your project.

In the Project Information Window, click on the Tags folder to view the assigned tags for the selected MLE module, according to slot number:

Additional Resources:

Detailed instructions on the operation and installation of the MLC Series are available in the MLC Series PLC Programming Manual (P/N 1010-1054) and the I/O Module Guide for the PLC Series (P/N 1010-1055) that is included with the MAPware-7000 configuration software.

MAPware-7000 also includes help files that provide detailed information on using the configuration software.

This equipment is suitable for use in Class I, Division 2, Groups A, B, C and D or non-hazardous locations only.

WARNING – EXPLOSION HAZARD – Do not disconnect equipment unless power has been removed or the area is known to be non-hazardous.

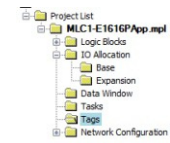
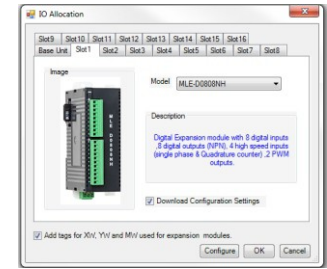
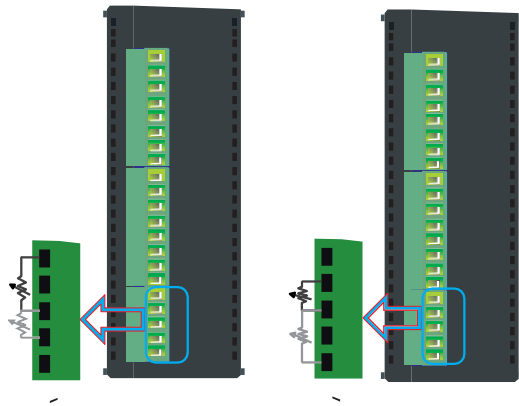
WARNING – EXPLOSION HAZARD - Substitution of components may impair suitability for Class I, Division 2.

It is recommended that the user periodically inspect the sealed devices used, check for any degradation of properties, and replace as necessary.

For Technical Support:

Please contact Maple Systems if you have any questions regarding this product. We ask that you provide us with the unit serial number and firmware revision number written on the product label of the unit.

Maple Systems Inc.
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 Everett, WA 98204
 Tel: 425-745-3229
 Fax: 425-745-3429
 Email: support@maplesystems.com
 Website: www.maplesystems.com



144	Initialize_Port_Com2	bt	Read Write	S00093	.
145	S01-XW0	2	Read Only	XW0100	.
146	S01-X0	bt	Read Only	X01000	.
147	S01-X1	bt	Read Only	X01001	.
148	S01-X2	bt	Read Only	X01002	.
149	S01-X3	bt	Read Only	X01003	.
150	S01-X4	bt	Read Only	X01004	.
151	S01-X5	bt	Read Only	X01005	.
152	S01-X6	bt	Read Only	X01006	.
153	S01-X7	bt	Read Only	X01007	.



Project Information Window

Slot	Name	Address range	Description
Slot 1	Not Installed		
Slot 2	Not Installed		
Slot 3	Not Installed		
Slot 4	Not Installed		
Slot 5	Not Installed		
Slot 6	Not Installed		
Slot 7	Not Installed		
Slot 8	Not Installed		
Slot 9	Not Installed		
Slot 10	Not Installed		
Slot 11	Not Installed		
Slot 12	Not Installed		
Slot 13	Not Installed		
Slot 14	Not Installed		
Slot 15	Not Installed		
Slot 16	Not Installed		

IO Allocation

Slot9 Slot10 Slot11 Slot12 Slot13 Slot14 Slot15 Slot16

Base Unit Slot1 Slot2 Slot3 Slot4 Slot5 Slot6 Slot7 Slot8

Image:

Model:

Description:

Download Configuration Settings

Add tags for X/Y, Y/W and M/V used for expansion modules.

OK Cancel