# **Fiche technique**





#### Introduction \_

The tM-C8 provides 8 channels for digital output, each of which features photocouple isolation. The tM-C8 supports sink-type output with short circuit protection and there are options for configuing power-on and safe digital output values. 4 kV ESD protection and 3750 Voc intra-module isolation are also provided.

# Applications \_

- All Kinds of On/Off Control
- Food and Beverage Systems Industrial Automation Semiconductor Fabrication
- Industrial Machinery
- Building Automation
- Control Systems

## System Specifications \_

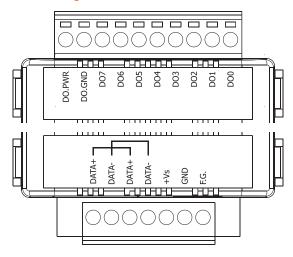
Communication			
Interface	RS-485		
Format	(N, 8, 1), (N, 8, 2), (O, 8, 1), (E, 8, 1)		
Baud Rate	1200 ~ 115200 bps		
Protocol	DCON, Modbus/RTU, Modbus/ASCII		
Dual Watchdog	Yes, Module (2.3 seconds), Communication (Programmable)		
LED Indicators			
Power	1 LED as Power Indicator		
Isolation			
Intra-module Isolation, Field-to-Logic	3750 V <sub>DC</sub>		
EMS Protection			
ESD (IEC 61000-4-2)	±4 kV Contact for Each Terminal		
E3D (IEC 01000-4-2)	±8 kV Air for Random Point		
EFT (IEC 61000-4-4)	±4 kV for Power		
Power Requirements			
Reverse Polarity Protection	Yes		
Powered from Terminal Block	Yes, 10 ~ 30 Vpc		
Consumption	0.5 W Max.		
Mechanical			
Dimensions (W x L x H)	52 mm x 98 mm x 27 mm		
Installation	DIN-Rail Mounting		
Environment			
Operating Temperature	-25 ~ +75 °C		
Storage Temperature	-30 ~ +75 °C		
Humidity	10 ~ 95% RH, Non-condensing		

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- Sink-type Digital Outputs
- Photocouple Isolation
- Dual Watchdog
- Configurable Power-on Value Settings
- Configurable Safe Value Settings
- Cost-effective
- Wide Operating Temperature Range: -25 °C ~ +75 °C

### CE FC Kors X

#### Pin Assignments -



# I/O Specifications \_

Digital Output				
Output Channels	8			
Туре	Isolated Open Collector (Sink)			
Max Load Current	700 mA/channel			
Load Voltage	3.5 Vdc ~ 50 Vdc			
Overvoltage Protection	60 Vpc			
Overload Protection	1.4 A			
Short Circuit Protection	Yes			
Power-on Value	Yes, Programmable			
Safe Value	Yes, Programmable			

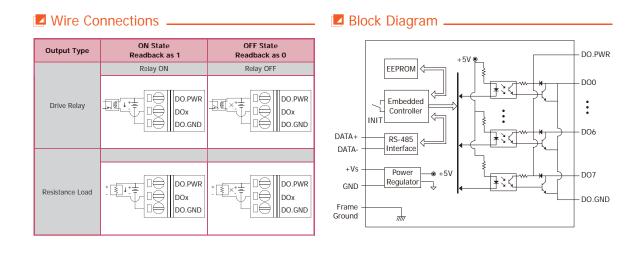
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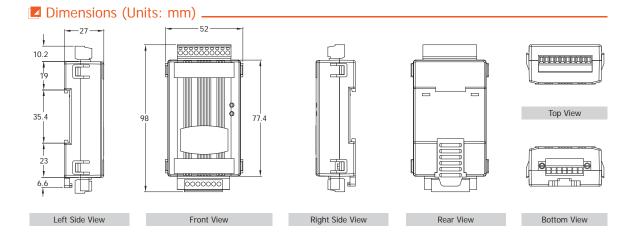


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Email: contact@ampliconfrance.com

Remote I/O Modules





### Ordering Information .

8-channel Isolation Digital Output Module (RoHS)

tM-C8 CR

### Related Products -

tM-7561 CR	Isolated USB to RS-485 Converter (RoHS)	tM-7510L	CR Isolated RS-485 Repeater (RoHS)
tM-7520U CR	Isolated RS-232 to RS-485 Converter (RoHS)	MDR-20-2	4 CR 24W Single Output Industrial DIN Rail Power Supply (RoHS)

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