Digital I/O Slave Units with e-CON Connector (Vertical type)

# CRT1-VID08S(-1)/VOD08S(-1)

# A vertical slave unit of little wiring and size

Industrial standard e-CON connectors allow direct connection of the unit to sensing devices without use of terminal blocks. This minimizes requirement in installation space and wiring work.

- Industrial standard e-CON connectors require less wiring work.
- Connector interface of input and output sections can downsize the unit.
- Various data such as network status at start-up, equipment operation and deterioration can be provided.
- DIN tracks and metal fixtures allow flexible installation.



# **Ordering Information**

Name		Model			
e-CON Connectors *	Inputs	8 inputs	NPN	Without Short-circuit and Disconnected Line Detection	CRT1-VID08S
			PNP		CRT1-VID08S-1
	Outputs	8 outputs	NPN		CRT1-VOD08S
			PNP		CRT1-VOD08S-1
Mounting Bracket	Unit with e-CON CRT1-V□D08S(-	CRT1-ATT02			

<sup>\*</sup> These Units are also available with a DCN-TB4 Terminal Conversion Adapter included in the package. Add "(-B)" to the end of the model number to receive the Adapter as well.

Slave External I/O Connections in the appendix for applicable connectors.

# **Performance Specifications**

For Basic Performance Specifications of Slave Units, refer to page 32.

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# **Input Section Specifications**

Item	Specification		
Model	CRT1-VID08S	CRT1-VID08S-1	
I/O capacity	8 inputs		
Internal I/O common	NPN	PNP	
ON voltage	10.5 VDC min. (between each input terminal and the V terminal)	10.5 VDC min. (between each input terminal and the G terminal)	
OFF voltage	5 VDC max. (between each input terminal and the V terminal)	5 VDC max. (between each input terminal and the G terminal)	
OFF current	1.0 mA max.		
Input current	At 24 VDC: 6.0 mA max./input At 11 VDC: 3.0 mA min./input		
ON delay	1.5 ms max.		
OFF delay	1.5 ms max.		
Number of circuits per common	8 inputs/common		
Isolation method	Photocoupler		
Input indicator	LED (yellow)		
Installation	DIN Track or Mounting Bracket		
Power supply type	Network power supply		
Power short-circuit protection	Operates at 50 mA/point min.		
Current supplied to input devices	50 mA/input		
Communications power supply current consumption	35 mA max. for 24-VDC power supply voltage 50 mA max. for 14-VDC power supply voltage		
Weight	80 g max.		

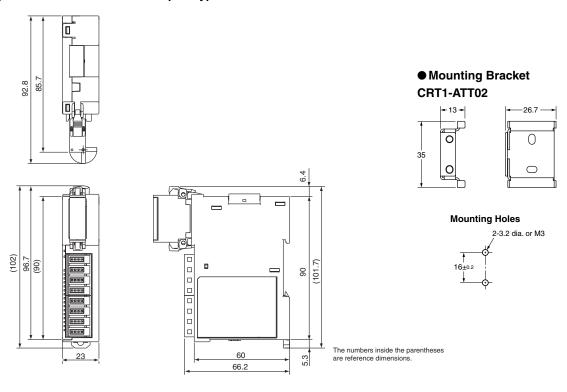
# **Output Section Specifications**

Item	Specification		
Model	CRT1-VOD08S	CRT1-VOD08S-1	
I/O capacity	8 outputs		
Internal I/O common	NPN	PNP	
Rated output current	0.3 A/output, 2 A/common		
Residual voltage	1.2 V max. (0.3 A DC, between each output terminal and the G terminal)	1.2 V max. (0.3 A DC, between each output terminal and the V terminal)	
Leakage current	0.1 mA max.		
ON delay	0.5 ms max.		
OFF delay	1.5 ms max.		
Number of circuits per common	8 outputs/common		
Isolation method	Photocoupler		
Output indicators	LED (yellow)		
Installation	DIN Track or Mounting Bracket		
Power supply type	Multi-power supply		
Current supplied to output devices	100 mA/output		
Communications power supply current consumption	40 mA max. for 24-VDC power supply voltage 60 mA max. for 14-VDC power supply voltage		
I/O power supply current consumption	15 mA max. for 24-VDC power supply voltage		
Output handling for communications errors	Select either hold or clear from CX-Integrator.		
Weight	80 g max.		

Dimensions (Unit: mm)

CRT1-VID08S (-1) CRT1-VOD08S (-1)

# When a DCN4-TB4 Open Type Connectors Is Mounted



## Read and Understand This Catalog

Please read and understand this catalog before purchasing the products. Please consult your OMRON representative if you have any questions or comments

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- Systems, machines, and equipment that could present a risk to life or property.

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## **DIMENSIONS AND WEIGHTS**

Dimensions and weights are nominal and are not to be used for manufacturing purposes, even when tolerances are shown.

## PERFORMANCE DATA

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In the interest of product improvement, specifications are subject to change without notice.

