

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	Specifications				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 Connectors CRT1-V□D08S(-1)				CRT1-ATT02

* 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 30.

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

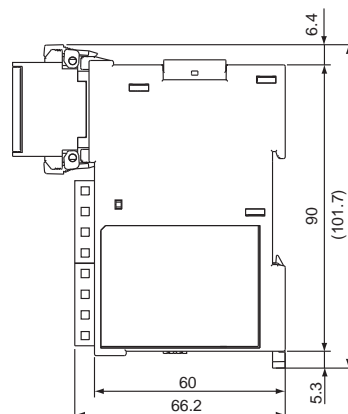
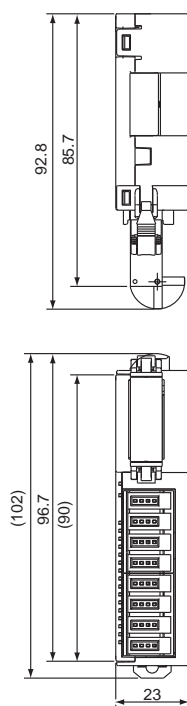
Item	Specification	
Model	CRT1-VOD08S	CRT1-VOD08S-1
I/O capacity	8 outputs	
Internal I/O common	NPN	PNP
Rated output current	0.3 A/output, 2 A/common	
Residual voltage	1.2 V max. (0.3 A DC, between each output terminal and the G terminal)	1.2 V max. (0.3 A DC, between each output terminal and the V terminal)
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

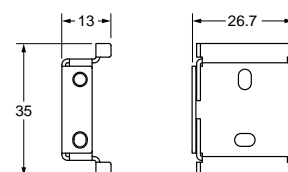
(Unit: mm)

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

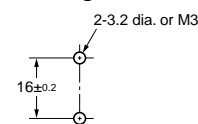
When a DCN4-TB4 Open Type Connectors Is Mounted



● Mounting Bracket CRT1-ATT02



Mounting Holes



The numbers inside the parentheses are reference dimensions.