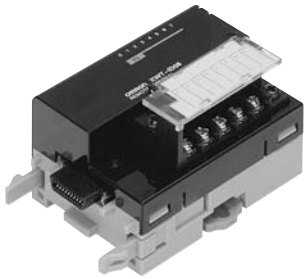
Expansion Units

XWT-□D08(-1)/□D16(-16)

Expansion I/O Units make expansion easy!

- Flexible expansion with many different combinations.
- Removable I/O terminal block enables faster startup time and improved maintainability.
- Common expansion unit with DeviceNet (DRT2 Series) and CompoNet (CRT1 Series).



Ordering Information

Name	Specifications				Model	Standards
Expansion Units	Inputs	8 inputs	NPN	One Expansion Unit can be mounted to one GX-ID16□1/ OD16□1/OC1601 Digital I/O Terminal.	**XWT-ID08**	CE, UC, UC1, N
			PNP		**XWT-ID08-1**	
	Outputs	8 outputs	NPN		**XWT-OD08**	
			PNP		**XWT-OD08-1**	
	Inputs	16 inputs	NPN		**XWT-ID16**	
			PNP		**XWT-ID16-1**	
	Outputs	16 outputs	NPN		**XWT-OD16**	
			PNP		**XWT-OD16-1**	

Specifications

• General Specifications

For Common Specifications of I/O terminals, refer to page 4.

• Input Section Specifications

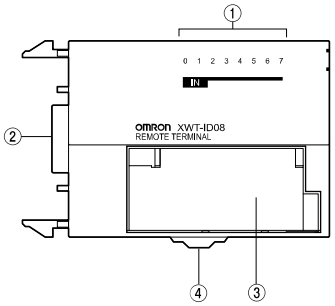
Item	Specification			
	XWT-ID08	XWT-ID08-1	XWT-ID16	XWT-ID16-1
Internal I/O common	NPN	PNP	NPN	PNP
I/O capacity	8 inputs		16 inputs	
ON voltage	15 VDC min. (between each input terminal and the V terminal)	15 VDC min. (between each input terminal and the G terminal)	15 VDC min. (between each input terminal and the V terminal)	15 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)	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 17 VDC: 3.0 mA max./input			
ON delay	1.5 ms max.			
OFF delay	1.5 ms max.			
Number of circuits per common	8 inputs/common		16 inputs/common	
Communications power supply current consumption	5 mA		10 mA	
Weight	80 g max.		120 g max.	

• Output Section Specifications

Item	Specification			
	XWT-OD08	XWT-OD08-1	XWT-OD16	XWT-OD16-1
Internal I/O common	NPN	PNP	NPN	PNP
I/O capacity	8 outputs		16 outputs	
Rated output current	0.5 A/output, 2.0 A/common		0.5 A/output, 4.0 A/common	
Residual voltage	1.2 V max. (0.5 A DC, between each output terminal and the G terminal)	1.2 V max. (0.5 A DC, between each output terminal and the V terminal)	1.2 V max. (0.5 A DC, between each output terminal and the G terminal)	1.2 V max. (0.5 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		16 outputs/common	
Communications power supply current consumption	5 mA		10 mA	
Weight	80 g max.		120 g max.	

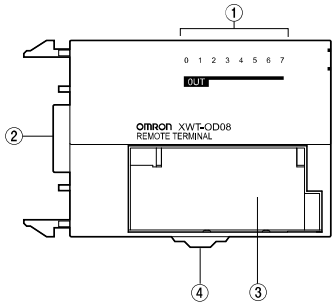
Name and functions

XWT-ID08/ID08-1



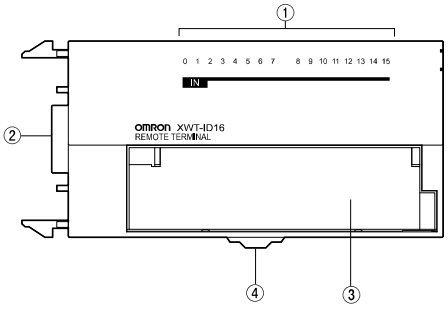
No.	Name	Function
1	Input indicator (0 to 7)	Indicates the state of input contact (ON/OFF). Not lit: Contact OFF (input OFF state) Lit in yellow: Contact ON (input ON state)
2	Terminal connector	Connects the connector on the right side of the slave.
3	Terminal block	Connects external devices and the I/O power supply. V, G: I/O power supply terminals 0 to 7: Input terminals
4	DIN track mounting hook	Fixes a slave to a DIN track.

XWT-OD08/OD08-1



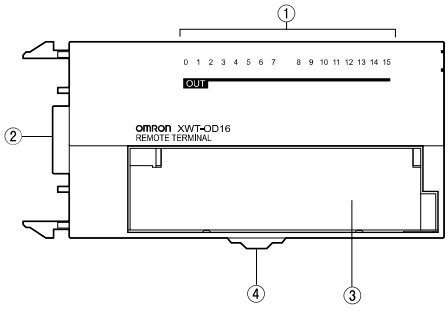
No.	Name	Function
1	Output indicator (0 to 7)	Indicates the state of output contact (ON/OFF). Not lit: Contact OFF (output OFF state) Lit in yellow: Contact ON (output ON state)
2	Terminal connector	Connects the connector on the right side of the slave.
3	Terminal block	Connects external devices and the I/O power supply. V, G: I/O power supply terminals 0 to 7: Output terminals
4	DIN track mounting hook	Fixes a slave to a DIN track.

XWT-ID16/ID16-1



No.	Name	Function
1	Input indicator (0 to 15)	Indicates the state of input contact (ON/OFF). Not lit: Contact OFF (input OFF state) Lit in yellow: Contact ON (input ON state)
2	Terminal connector	Connects the connector on the right side of the slave.
3	Terminal block	Connects external devices and the I/O power supply. V, G: I/O power supply terminals 0 to 15: Input terminals
4	DIN track mounting hook	Fixes a slave to a DIN track.

XWT-OD16/OD16-1

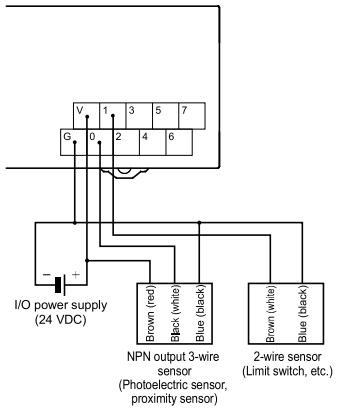


No.	Name	Function
1	Output indicator (0 to 15)	Indicates the state of output contact (ON/OFF). Not lit: Contact OFF (output OFF state) Lit in yellow: Contact ON (output ON state)
2	Terminal connector	Connects the connector on the right side of the slave.
3	Terminal block	Connects external devices and the I/O power supply. V, G: I/O power supply terminals 0 to 15: Output terminals
4	DIN track mounting hook	Fixes a slave to a DIN track.

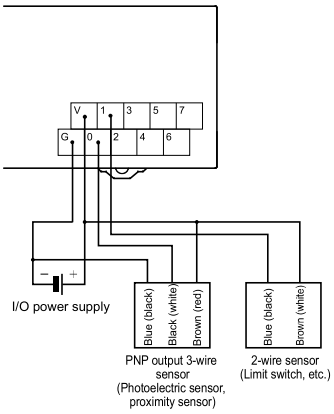
XWT-□D08(-1)/□D16(-16)

Wiring

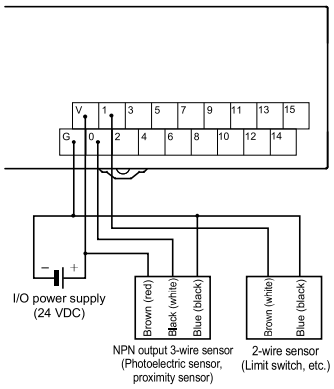
XWT-ID08 (NPN)



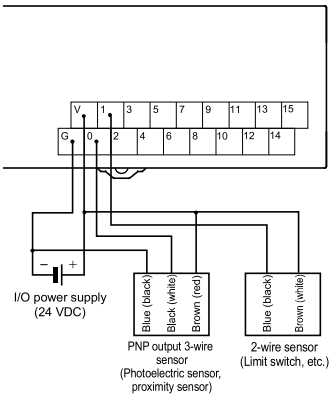
XWT-ID08-1 (PNP)



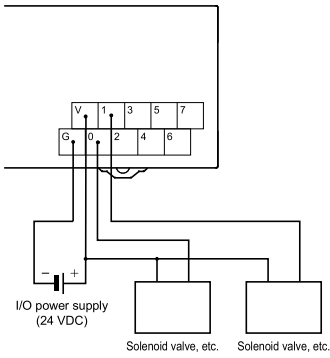
XWT-ID16 (NPN)



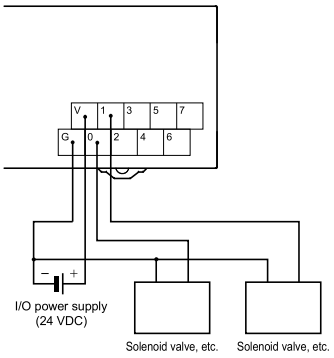
XWT-ID16-1 (PNP)



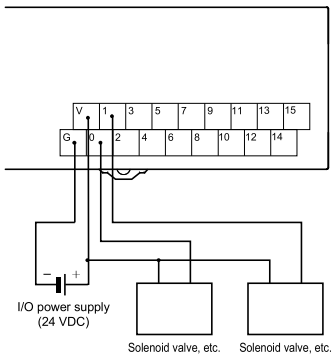
XWT-OD08 (NPN)



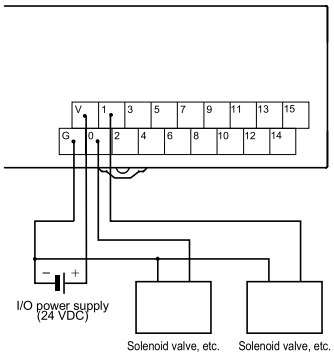
XWT-OD08-1 (PNP)



XWT-OD16 (NPN)



XWT-OD016-1 (PNP)



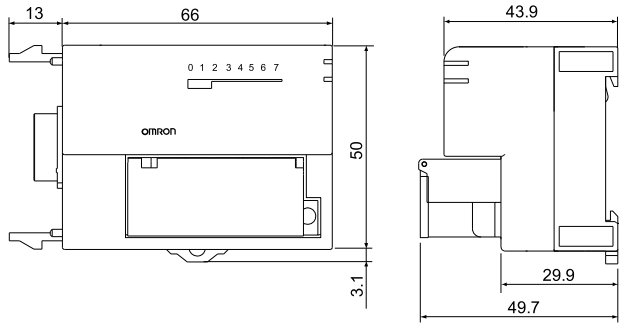
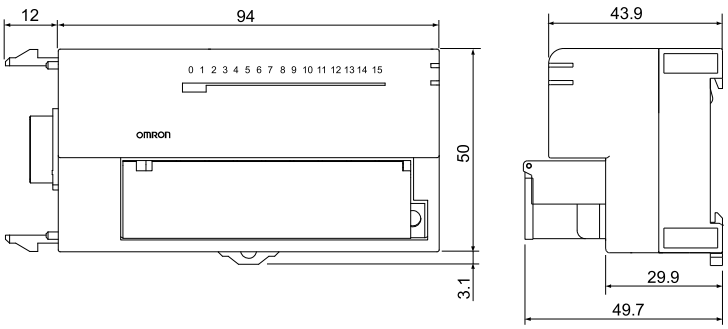
Reference

Wire colors have been changed according to revisions in the JIS standards for photoelectric and proximity sensors.
The colors in parentheses are the wire colors prior to the revisions.

Dimensions

(Unit: mm)

XWT-ID08/ID08-1
XWT-OD08/OD08-1



XWT-ID16/ID16-1
XWT-OD16/OD16-1