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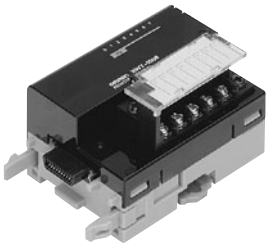
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Find the *OMRON XWT-ID08* at our website: *Click HERE*

Expansion Units

XWT-ID08(-1)/OD08(-1)/ID16(-1)/OD16(-1)

Expansion I/O Units make expansion easy!



One Expansion Unit can be added to each Digital I/O Slave Unit. This makes a variety of I/O combinations possible, such as 16 inputs + 8 outputs, extending the range of possible system configurations.

- Flexible expansion with many different combinations.
- Detachable I/O terminal block enables faster startup time and improved maintainability.
- Collect various preventive maintenance data required to improve productivity, as information on equipment deterioration due to aging and equipment operating time data.

Ordering Information

Name	Specifications				Model
Expansion Units	Inputs	8 points	NPN	One Expansion Unit can be mounted per DRT2-ID16(-1)/-OD16(-1) or DRT2-ROS16 Remote I/O Terminal.	XWT-ID08
			PNP		XWT-ID08-1
	Outputs		NPN		XWT-OD08
			PNP		XWT-OD08-1
	Inputs	16 points	NPN		XWT-ID16
			PNP		XWT-ID16-1
	Outputs		NPN		XWT-OD16
			PNP		XWT-OD16-1

General Specifications

I/O power supply voltage	20.4 to 26.4 VDC (24 VDC -15%/+10%)
Noise immunity	Conforms to IEC 61000-4-4 2 kV (power line).
Vibration resistance	10 to 60 Hz with double-amplitude of 0.7 mm, 60 to 150 Hz and 50 m/s² in X, Y, and Z directions for 80 min each
Shock resistance	150 m/s² (3 times each in 6 directions on 3 axes)
Dielectric strength	500 VAC (between isolated circuits)
Insulation resistance	20 MΩ min. (between isolated circuits)
Ambient operating temperature	-10°C to 55°C
Ambient operating humidity	25% to 85% (with no condensation)
Ambient operating atmosphere	No corrosive gases
Storage temperature	-25°C to 65°C
Storage humidity	25% to 85% (with no condensation)
Tightening torque for the terminal block screws	M3 terminal screws: 0.5 N•m M3 mounting screws: 0.5 N•m
Mounting method	Mounted on 35-mm DIN Track

Input Specifications

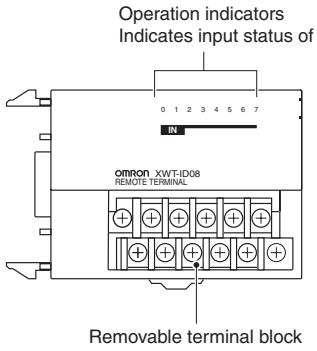
Item / Model	XWT-ID08	XWT-ID08-1	XWT-ID16	XWT-ID16-1
Internal I/O common	NPN	PNP	NPN	PNP
I/O points	8 inputs		16 inputs	
ON voltage	15 VDC min. (between each input terminal and the V terminal)	15 VDC min. (between each input terminal and the G terminal)	15 VDC min. (between each input terminal and the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

Output Specifications

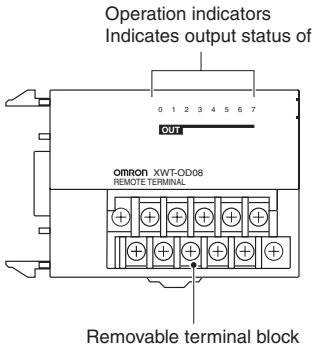
Item / Model	XWT-OD08	XWT-OD08-1	XWT-OD16	XWT-OD16-1
Internal I/O common	NPN	PNP	NPN	PNP
I/O points	8 outputs		16 outputs	
Rated output current	0.5 A/output, 2.0 A/common		0.5 A/output, 4.0 A/common	
Residual voltage	1.2 V max. (0.5 A DC, between each output terminal and the G terminal)	1.2 V max. (0.5 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 time	0.5 ms max.			
OFF delay time	1.5 ms max.			
Number of circuits per common	8 per common		16 per common	
Communications power supply current consumption	5 mA		10 mA	
Weight	80 g max.		120 g max.	

Nomenclature and Functions

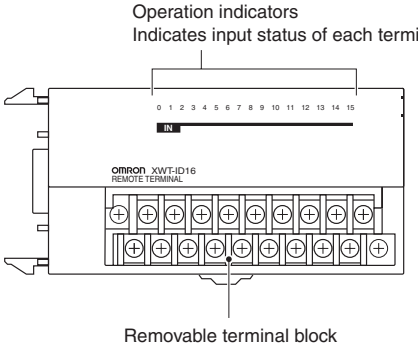
XWT-ID08/XWT-ID08-1



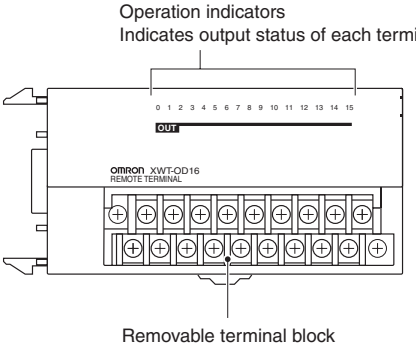
XWT-OD08/XWT-OD08-1



XWT-ID16/XWT-ID16-1

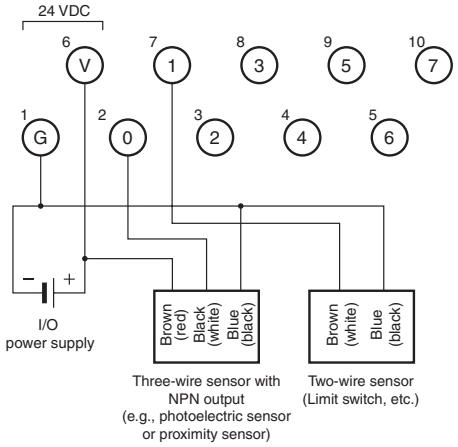


XWT-OD16/XWT-OD16-1

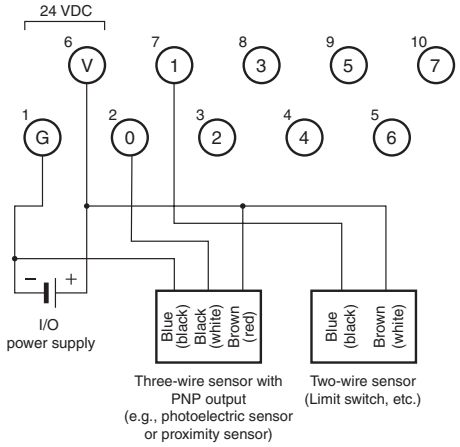


Wiring Diagrams

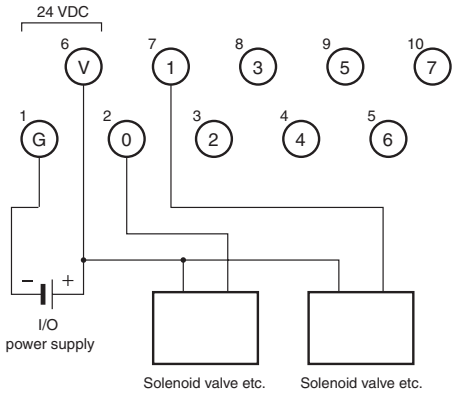
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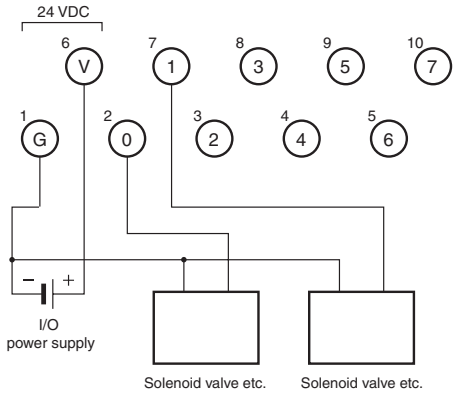
XWT-ID08-1 (PNP)



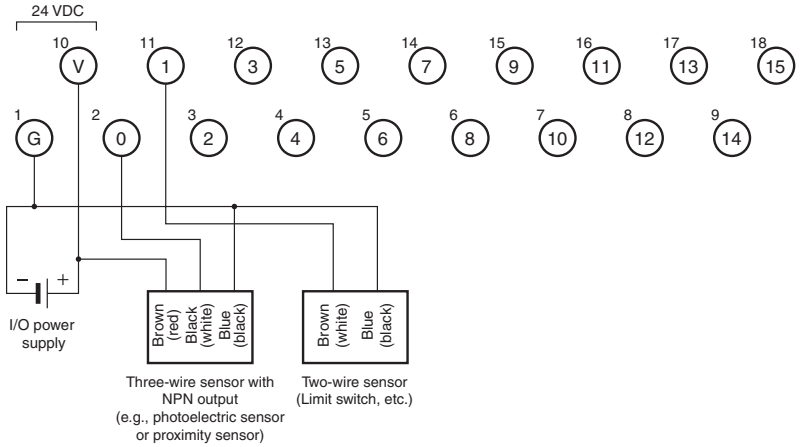
XWT-OD08 (NPN)



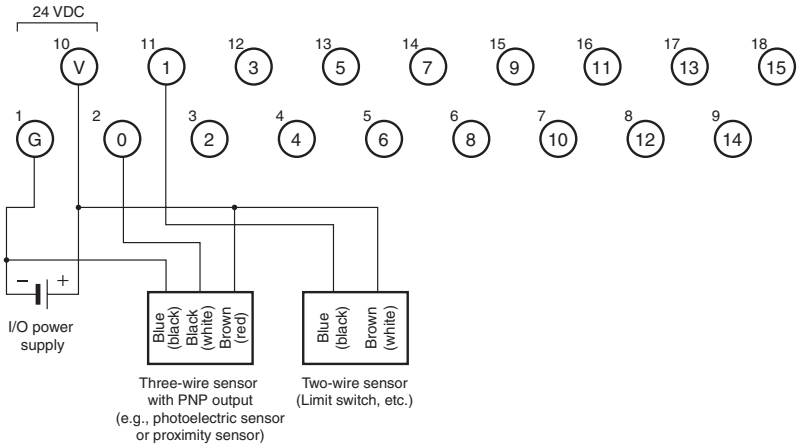
XWT-OD08-1 (PNP)



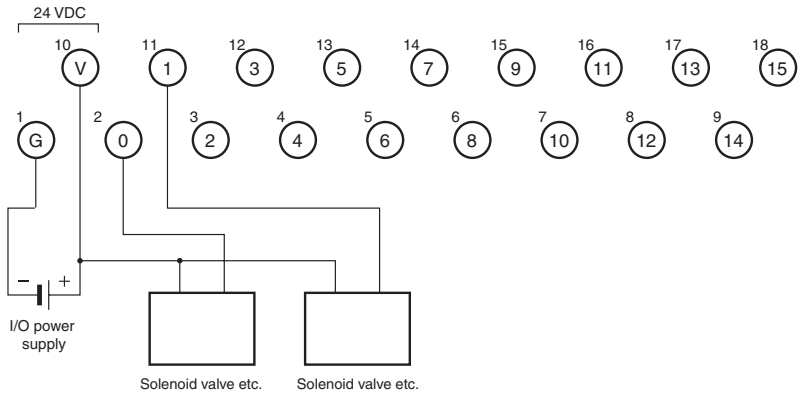
XWT-ID16 (NPN)



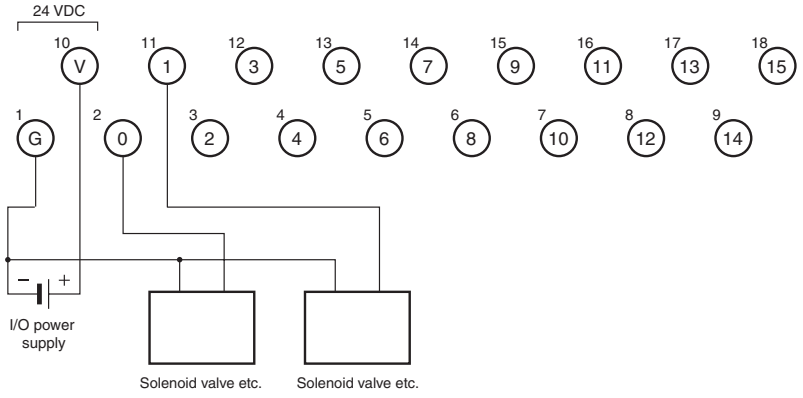
XWT-ID16-1 (PNP)



XWT-OD16 (NPN)



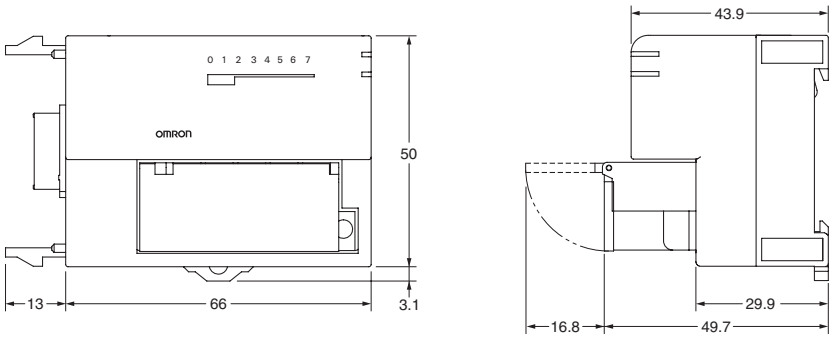
XWT-OD16-1 (PNP)



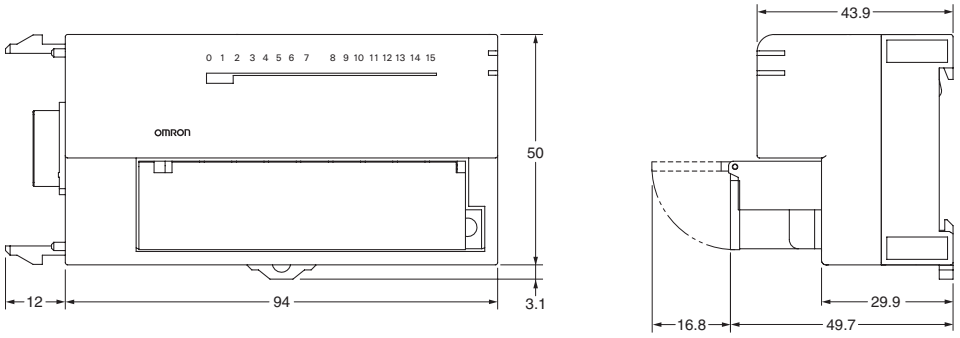
Dimensions

(Unit: mm)

● 8-point Model
XWT-ID08
XWT-ID08-1
XWT-OD08
XWT-OD08-1



● 16-point Model
XWT-ID16
XWT-ID16-1
XWT-OD16
XWT-OD16-1



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