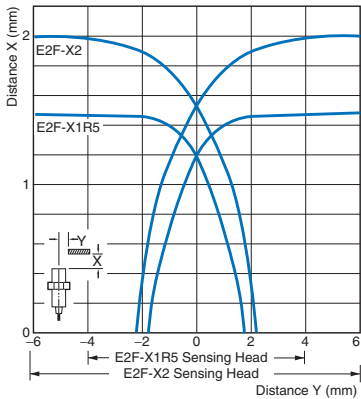


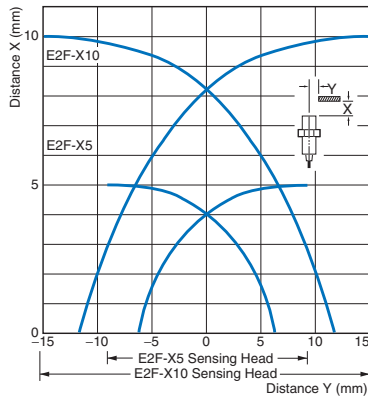
Engineering Data (Reference Value)

Sensing Area

E2F-X1R5□□/X2□□

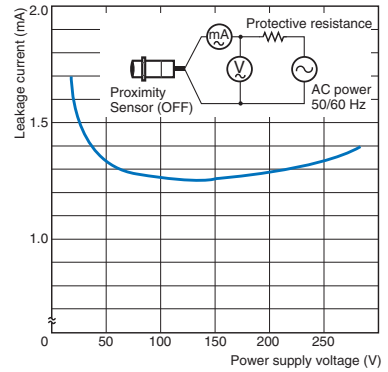


E2F-X5□□/X10□□



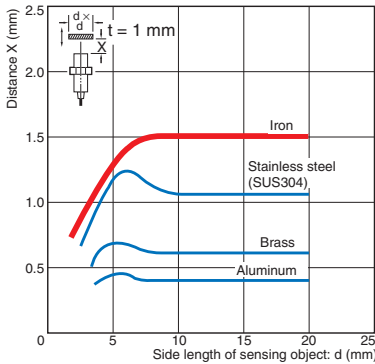
Leakage Current

E2F-X□Y□

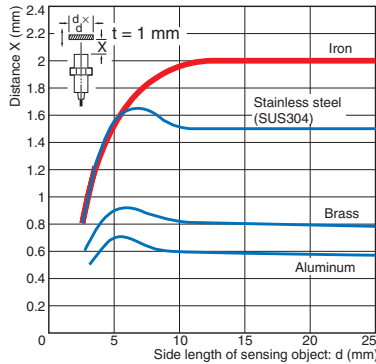


Influence of Sensing Object Size and Material

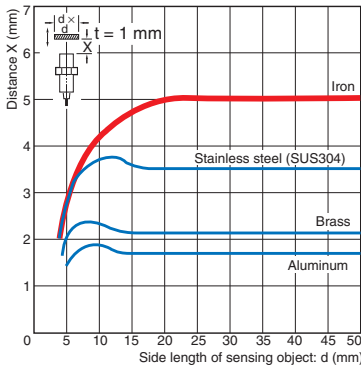
E2F-X1R5□□



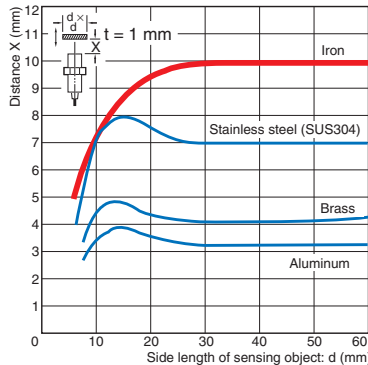
E2F-X2□□



E2F-X5□□

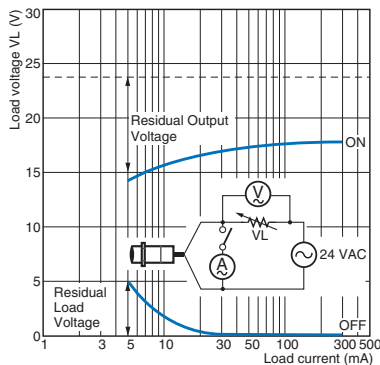


E2F-X10□□

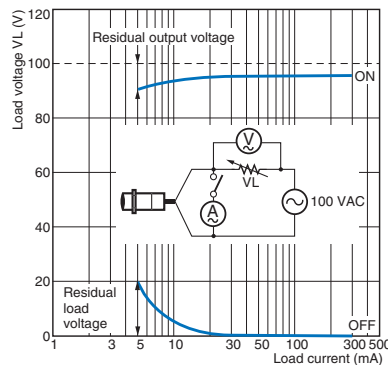


Residual Output Voltage

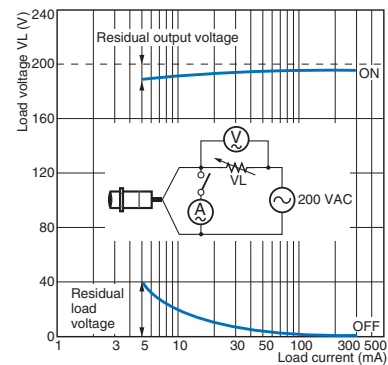
E2F-X□Y□ at 24 VAC



E2F-X□Y□ at 100 VAC



E2F-X□Y□ at 200 VAC



I/O Circuit Diagrams

Output configuration	Operation mode	Model	Timing chart	Output circuit
DC 3-wire NPN	NO	E2F-X1R5E1 E2F-X2E1 E2F-X5E1 E2F-X10E1	Sensing object Present Not present Load (between brown and black leads) Operate Reset Output voltage (between black and blue leads) High Low Detection indicator (red) ON OFF	E2F-X1R5E□ *1. Load current: 200 mA max. *2. When a transistor is connected. Except the E2F-X1R5E□. *1. Load current: 200 mA max. *2. When a transistor is connected.
	NC	E2F-X1R5E2 E2F-X2E2 E2F-X5E2 E2F-X10E2	Sensing object Present Not present Load (between brown and black leads) Operate Reset Output voltage (between black and blue leads) High Low Detection indicator (red) ON OFF	Except the E2F-X1R5E□. *1. Load current: 200 mA max. *2. When a transistor is connected.
DC 3-wire PNP	NO	E2F-X1R5F1 E2F-X2F1 E2F-X5F1 E2F-X10F1	Sensing object Present Not present Load (between blue and black leads) Operate Reset Output voltage (between black and blue leads) High Low Detection indicator (red) ON OFF	E2F-X1R5F□ *1. Load current: 200 mA max. *2. When a transistor is connected. Except the E2F-X1R5F□. *1. Load current: 200 mA max. *2. When a transistor is connected.
	NC	E2F-X1R5F2 E2F-X2F2 E2F-X5F2 E2F-X10F2	Sensing object Present Not present Load (between blue and black leads) Operate Reset Output voltage (between black and blue leads) High Low Detection indicator (red) ON OFF	Except the E2F-X1R5F□. *1. Load current: 200 mA max. *2. When a transistor is connected.
AC 2-wire	NO	E2F-X1R5Y1 E2F-X2Y1 E2F-X5Y1 E2F-X10Y1	Sensing object Present Not present Load Operate Reset Operation indicator (red) ON OFF	
	NC	E2F-X1R5Y2 E2F-X2Y2 E2F-X5Y2 E2F-X10Y2	Sensing object Present Not present Load Operate Reset Operation indicator (red) ON OFF	