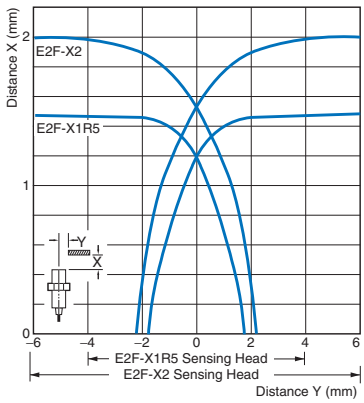
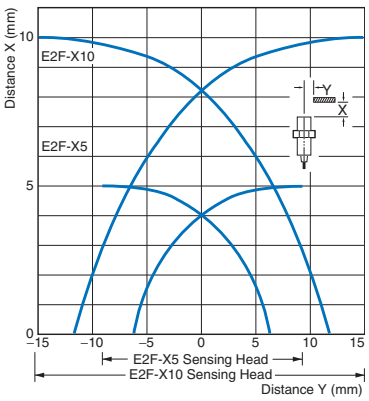
Engineering Data (Reference Value)

Sensing Area

E2F-X1R5□□/-X2□□

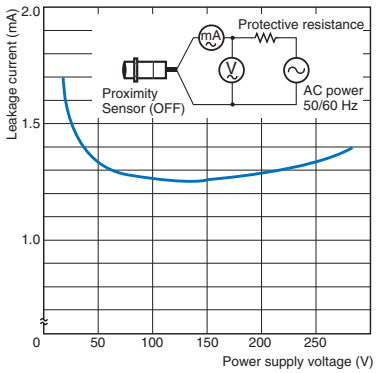


E2F-X5□□/-X10□□



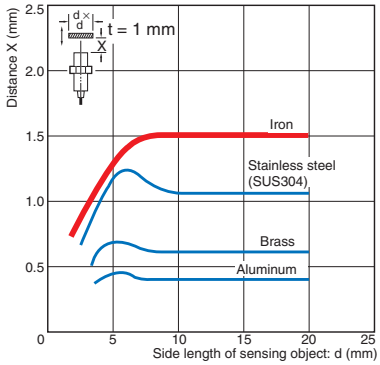
Leakage Current

E2F-X□Y□

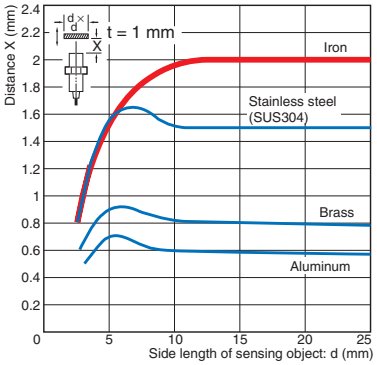


Influence of Sensing Object Size and Material

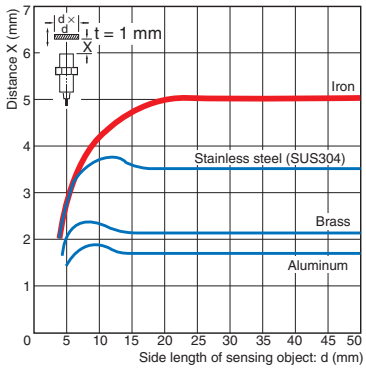
E2F-X1R5□□



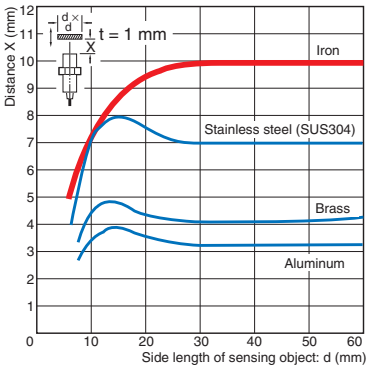
E2F-X2□□



E2F-X5□□

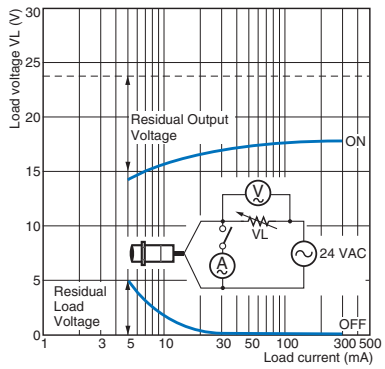


E2F-X10□□

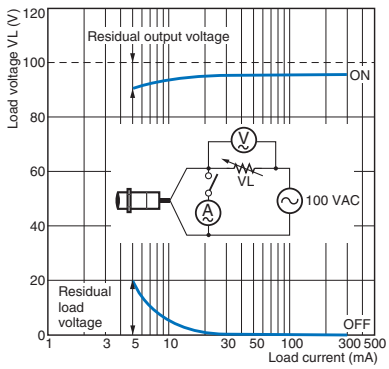


Residual Output Voltage

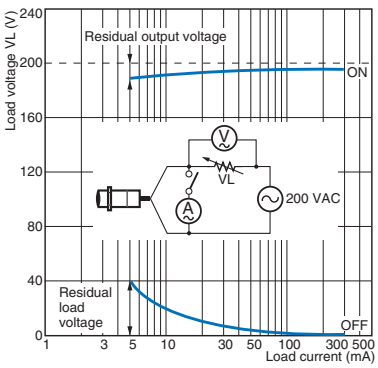
E2F-X□Y□ at 24 VAC



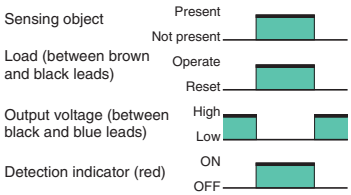
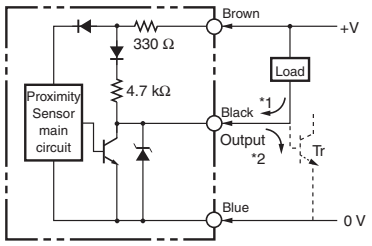
E2F-X□Y□ at 100 VAC

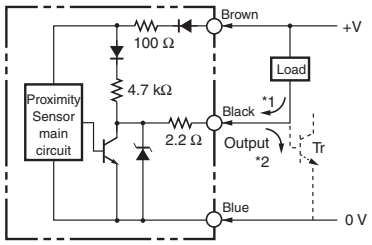


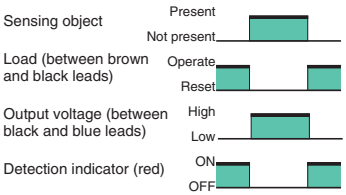
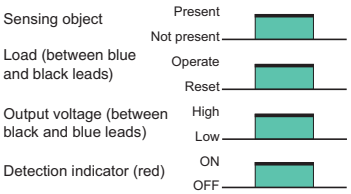
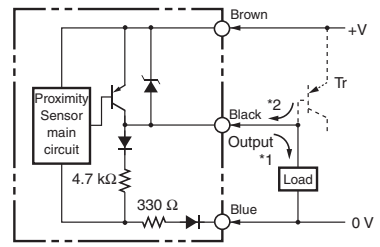
E2F-X□Y□ at 200 VAC

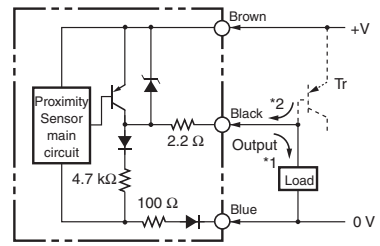


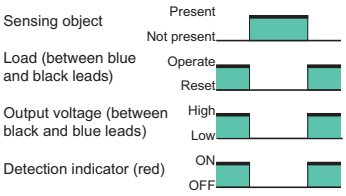
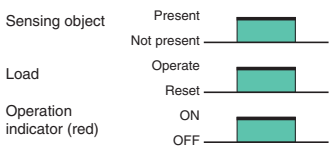
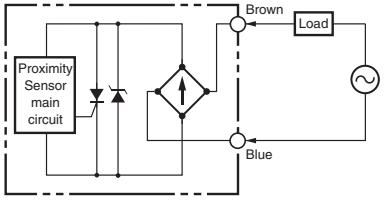
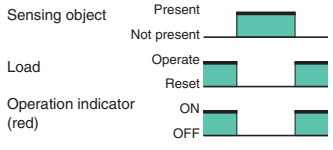
I/O Circuit Diagrams

<table>
<tr><th>Output configuration</th><th>Operation mode</th><th>Model</th><th>Timing chart</th><th>Output circuit</th></tr>
<tr><td rowspan="2">DC 3-wire NPN</td><td>NO</td><td>E2F-X1R5E1
E2F-X2E1
E2F-X5E1
E2F-X10E1</td><td> 
</td><td rowspan="2">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.</td></tr>
<tr><td>NC</td><td>E2F-X1R5E2
E2F-X2E2
E2F-X5E2
E2F-X10E2</td><td> 
</td></tr>
<tr><td rowspan="2">DC 3-wire PNP</td><td>NO</td><td>E2F-X1R5F1
E2F-X2F1
E2F-X5F1
E2F-X10F1</td><td> 
</td><td>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.</td></tr>
<tr><td>NC</td><td>E2F-X1R5F2
E2F-X2F2
E2F-X5F2
E2F-X10F2</td><td> 
</td></tr>
<tr><td rowspan="2">AC 2-wire</td><td>NO</td><td>E2F-X1R5Y1
E2F-X2Y1
E2F-X5Y1
E2F-X10Y1</td><td> 
</td><td rowspan="2"> 
</td></tr>
<tr><td>NC</td><td>E2F-X1R5Y2
E2F-X2Y2
E2F-X5Y2
E2F-X10Y2</td><td> 
</td></tr>
</table>