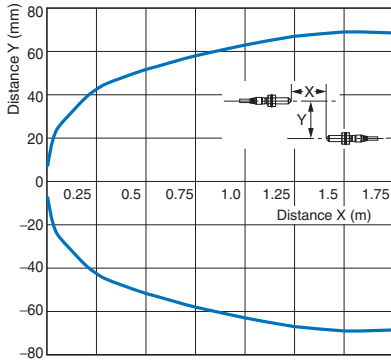


Engineering Data (Typical)

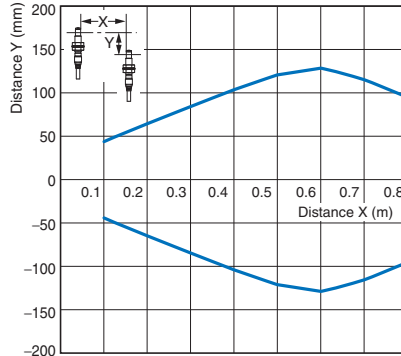
Parallel Operating Range

Through-beam

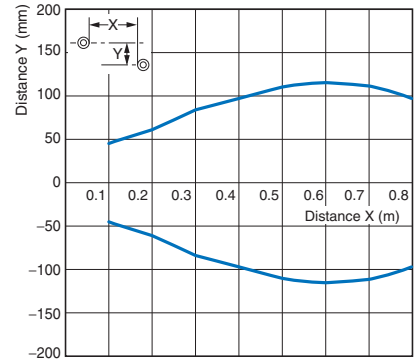
E3T-CT1□



E3T-CT2□S (Top to Bottom)



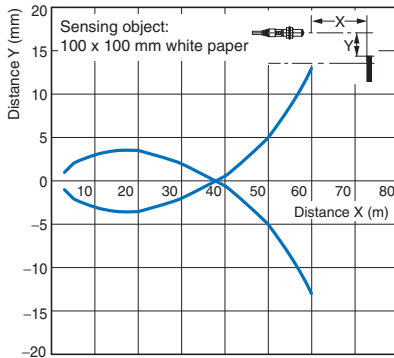
E3T-CT2□S (Right to Left)



Operating Range

Diffuse-reflective

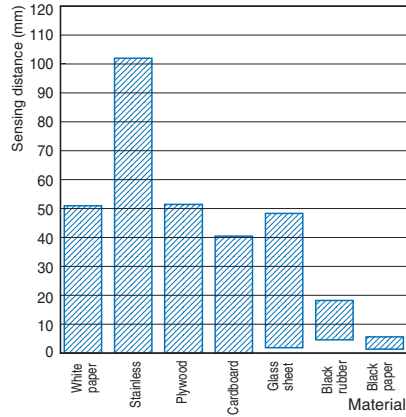
E3T-CD1□



Sensing Distance vs. Material

Diffuse-reflective

E3T-CD1□



I/O Circuit Diagrams

NPN Output

Model	Operation mode	Timing charts	Output circuit
E3T-CD11	Light-ON	<p>Light incident Light interrupted</p> <p>Operation indicator (orange) ON OFF</p> <p>Output transistor ON OFF</p> <p>Load (e.g., relay) Operate Reset</p> <p>(Between brown (1) and black (4) leads)</p>	<p>Through-beam Receivers and Reflective Sensors</p>
E3T-CT12 E3T-CT22S	Dark-ON	<p>Light incident Light interrupted</p> <p>Operation indicator (orange) ON OFF</p> <p>Output transistor ON OFF</p> <p>Load (e.g., relay) Operate Reset</p> <p>(Between brown (1) and black (4) leads)</p>	<p>Through-beam Emitters</p>

PNP Output

Model	Operation mode	Timing charts	Output circuit
E3T-CD13	Light-ON	<p>Light incident Light interrupted</p> <p>Operation indicator (orange) ON OFF</p> <p>Output transistor ON OFF</p> <p>Load (e.g., relay) Operate Reset</p> <p>(Between blue (3) and black (4) leads)</p>	<p>Through-beam Receivers and Reflective Sensors</p>
E3T-CT14 E3T-CT24S	Dark-ON	<p>Light incident Light interrupted</p> <p>Operation indicator (orange) ON OFF</p> <p>Output transistor ON OFF</p> <p>Load (e.g., relay) Operate Reset</p> <p>(Between blue (3) and black (4) leads)</p>	<p>Through-beam Emitters</p>