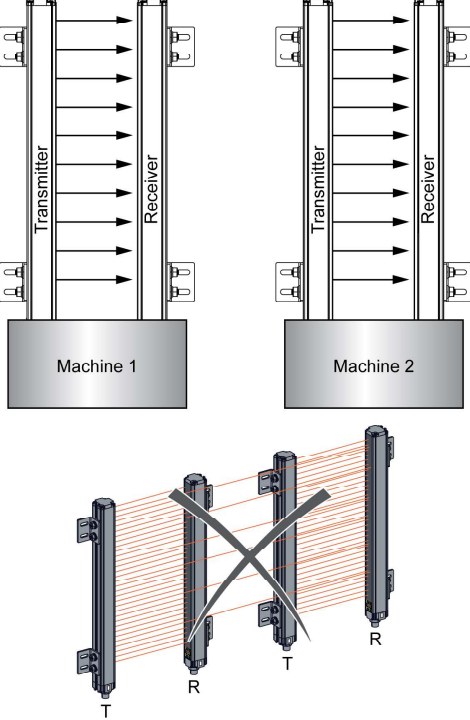
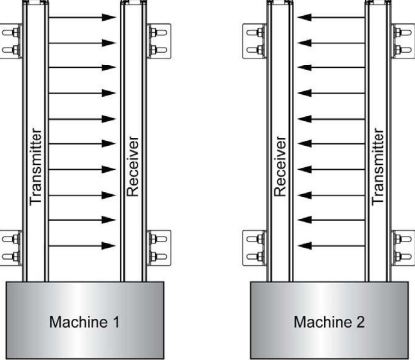


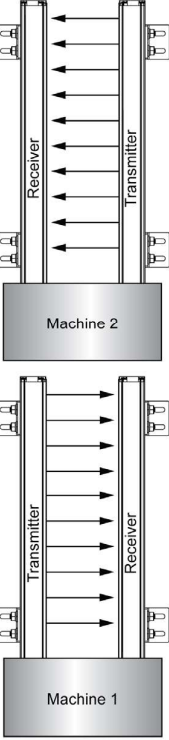
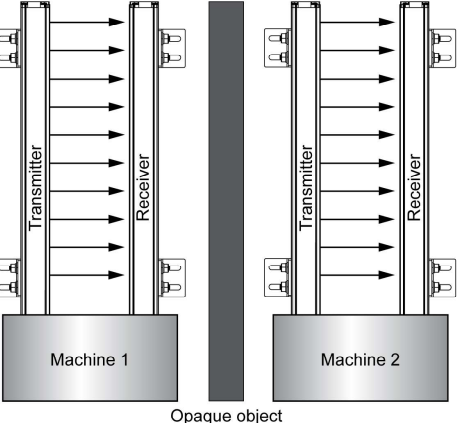
Multiple Systems

General Description

When two or more light curtain systems are mounted in close proximity and in alignment with each other, mount the transmitters and receivers back-to-back, or stack them to prevent one light curtain from interfering with another. This precaution is not necessary between the segments of a Master/Slave system.

Multiple Light Curtain Installation Configurations

Configuration	Description	Figure
1	This arrangement is subject to interference between the two light curtains (Not recommended).	 <p>The figure illustrates two light curtain systems, Machine 1 and Machine 2, mounted side-by-side. Machine 1 has a Transmitter on the left and a Receiver on the right. Machine 2 has a Transmitter on the left and a Receiver on the right. Arrows indicate the beam paths from each transmitter to its respective receiver. Below this, a detailed view shows the beams from Machine 1's transmitter (labeled 'T') crossing the beams from Machine 2's transmitter (labeled 'T') and hitting Machine 2's receiver (labeled 'R'), which is crossed out with a large 'X' to indicate interference.</p>
2	The receivers are mounted back-to-back (Recommended).	 <p>The figure illustrates two light curtain systems, Machine 1 and Machine 2, mounted side-by-side. Machine 1 has a Transmitter on the left and a Receiver on the right. Machine 2 has a Receiver on the left and a Transmitter on the right. Arrows indicate the beam paths from each transmitter to its respective receiver. This configuration prevents the beams from one machine from interfering with the receiver of the other machine.</p>

Configuration	Description	Figure
3	The light curtains are stacked, with the transmitters facing in opposite directions (Recommended).	
4	The light curtains are separated by an opaque object, which interrupt the beams one by one (Recommended).	

NOTICE

UNINTENDED EQUIPMENT OPERATION

When it is possible, the selection of low range can be an efficient way to limit the interferences due to mounting in close proximity ([see page 66](#)).

Failure to follow these instructions can result in equipment damage.