

Application Note – IP69K Safety Light Curtain Enclosure

Safeguarding Conveyor Entry on a Meat Slicer

Application

- Cutting blades are a hazard to machine operators
- Safety light curtains are used to stop the blades
- Equipment is in a food processing environment



Challenges

- The area is frequently cleaned with hot water and chemicals
- Temperature cycling tends to fog the window of the SLC's or enclosure
- Safety light curtains that are easily cleanable to keep bacteria from growing
- Allow meat to enter machine without tripping the safety light curtain

Solution

- IP69K-rated enclosure made with chemically-resistant stainless steel and polycarbonate materials
- Hydrophobic vent allows internal pressure to meet external pressure to prevent condensation in the enclosure
- Hygienic design allows the enclosure to be easily cleaned and not harbor bacteria
- Fixed blanking allows for the presence of a conveyor at the infeed to be ignored


Product Information

Washdown EZ-Screen LS

Features

- IP69K
- 12m range
- Hygienic design
- Hydrophobic vent for condensation prevention
- Chemically resistant

Part Numbers



Model	Description	System Type	Range	Resolution	Defined Area	Remote Fixed Blanking	Connection	
EZLSA-HTE-R23-280	EZ-SCREEN LS in Hygienic Tubular Enclosure	Receiver	12 m	23 mm	280 mm		12-pin LS Custom Connector to Flying Leads	
EZLSA-HTE-E23-280		Emitter						
EZLSA-HTE-R23-490		Receiver			490 mm			
EZLSA-HTE-E23-490		Emitter						
EZLSA-HTE-R23-630		Receiver			630 mm			
EZLSA-HTE-E23-630		Emitter						
EZLSA-HTE-R23-770-F		Receiver			770 mm			Yes
EZLSA-HTE-E23-770		Emitter						
EZLSA-HTE-R23-910		Receiver			910 mm			
EZLSA-HTE-E23-910		Emitter						
EZLSA-HTE-R23-1050-F		Receiver			1050 mm			Yes
EZLSA-HTE-E23 1050 E		Emitter						

Accessories



EZLSA-MBK-HTE-1

- Stamped stainless steel
- FDA-compliant gasket
- Economical design



EZLSA-MBK-HTE-2

- Cast, hygienic stainless steel
- Rounded edges for cleanliness
- FDA-compliant gasket

Kits must order separately • Kits include 2 brackets and hardwares