450L CIP Safety over EtherNet/IP

450L-ENETR & 450L-APR-EN-8

The 450L CIP Safety network interface module and receiver plug-in transform the 450L light curtains into smart devices allowing full network communication for exchanging safety and diagnostic information as well as for configuration purposes over an EtherNet/IP™ network.

Customer Value

EIP Plug-In

24VDC

CIP Safety over EtherNet/IP enables Premier Integration of the 450L GuardShield Light Curtain in a GuardLogix® Control System and drives attachment through Smart components.

- Perform SIL3 PLe safety functions over EtherNet/IP connection
- Reduced system cost – reduction in wiring of safety circuit
- Convert any 450L safety light curtain into a SMART SAFETY sensor
- Increased flexibility and modularity of system design and safety zoning

Applications:
- Safeguarding people from hazardous equipment / machinery where fixed fencing or guarding has traditionally been used
- Point of operation control (POC) and perimeter access control (PAC) around hazardous equipment / machinery
- Muting application on palletizers

Industries:
- Auto and Tire
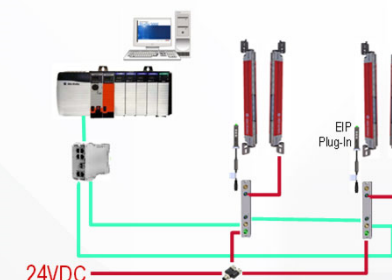- Consumer Packaged Goods
- Chemicals
- Metal Forming

Differentiation
- Directly supports EtherNet/IP
- Logix Designer AOP can reduce programming and installation time by 50%
- A single software / project for configuring and monitoring a Logix safety controller and 450L CIP safety light curtain
- Patented transceiver technology with functionality being assigned using plug-in modules
- Enhanced Integrated Laser Alignment System (ILAS) for ease of installation (on 450L-E models)
- Compact design (30 mm x 30 mm), with wide range of protection heights (150…1950 mm in 150 mm increments) and no 'dead-zone'

Capabilities:
- Enables communication of diagnostics and status information to Logix Systems
- Enables CIP safety over EtherNet/IP to support safety requirements
- Supports DLR to cascade multiple 450L or other EtherNet/IP products
- Allows configuration of 450L features within AOP for Studio 5000