

# 450LB4FN0450YD

AB 450L GuardShield POC Light Curtain Basic Safety Transceiver 450mm Resolution 14mm



PRESENCE SENSING



Allen-Bradley

Component type	Multiple beam light curtain
Range	450L POC
Model	N/A
Product status	Existing



The Allen-Bradley 450L GuardShield™ Point of Control (POC) are designed with patented technology allowing each transceiver to be used as a transmitter or receiver via a plug-in module. The 450L-B base model includes on/off functionality, the 450L-E model includes integrated laser alignment, cascading and muting. Offering easy integration and access to safety control functions and diagnostics.

<b>ELECTRICAL</b>	Voltage type	DC
	Supply voltage	24 V
	Type of safety according to IEC 61496-1	4
<b>CONSTRUCTION</b>	Material housing	Metal
	IP rating	IP65
	Number of beams	16
<b>PHOTOMETRIC</b>	Beam spacing	14 mm
	Wavelength of the sensor	850 nm
	Height (protected)	450 mm
<b>DIMENSIONS</b>	Width	30 mm
	Ambient temperature	-10...55 °C

## RELATED PRODUCTS

### ACCESSORY



Item No: 1485PRDR5

Required: No

Description: Allen-Bradley 1485 DeviceNet T-Port Connector 5-pin



Item No: 42EFP2MPBF4

Required: No

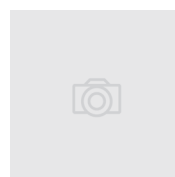
Description: Allen-Bradley 42EF Photoelectric Sensor Polarized Retro 11-30V DC Range 25mm-3m PNP/NPN DC Micro 4



Item No: 440CCR3022BBB

Required: No

Description: Allen-Bradley 440C CR30 Guardmaster Software Configurable Safety Relay 22 I/O



Item No: 440LALAT

Required: No

Description: Allen-Bradley 450L GuardShield Light Curtain Laser Alignment Aid

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**Item No:** 440RD22R2

**Required:** No

**Description:** AB 440R GSR DI Safety Relay Dual Input 24VDC 1NC/2NC/OSSD-IN 2NO-SFTY-OUT 1SS-AUX

**Item No:** 450LAPREN8

**Required:** No

**Description:** AB 450L GuardShield Light Curtain CIP Safety EtherNet IP Plug In 8 Pin M12 for 450LB and 450LE

**Item No:** 450LAPRON5

**Required:** No

**Description:** AB 450L GuardShield Light Curtain Receiver On Off Plug In 5 Pin M12 for 450LB and 450LE

**Item No:** 450LAPTPW5

**Required:** No

**Description:** AB 450L GuardShield Light Curtain Transmitter Plug In 5 Pin M12 for 450LB and 450LE

**Item No:** 450LAPTPW8

**Required:** No

**Description:** AB 450L GuardShield Light Curtain Transmitter Plug In 8 Pin M12 for 450LB and 450LE

**Item No:** 450LAPUUN8

**Required:** No

**Description:** AB 450L GuardShield Light Curtain Transmitter Receiver Universal Plug In 8 Pin M12 450LB and 450LE

**Item No:** 450LENETR

**Required:** No

**Description:** AB 450L GuardShield Light Curtain CIP Safety EtherNet IP Block Module for 450LB and 450LE

**Item No:** 800FMUT2MS

**Required:** No

**Description:** AB 450L GuardShield Light Curtain Muting Station for 450Lb amd LE

**Item No:** 889DF4NE15

**Required:** No

**Description:** AB 889D Cordset Cable PVC Red 4 Pin 18AWG DC Micro Female Straight M12 Unshielded 15m



**Item No:** 440RS12R2

**Required:** No

**Description:** AB 440R GSR SI Safety Relay Single Input 24VDC 2NC OSSD 2NO 1 Solid State Auxiliary Output



**Item No:** 440SSF5D

**Required:** No

**Description:** Allen-Bradley 440S Guardlink ENABLED TAP 5PIN OSSD OUPUT SIGNAL SWITCHING PTR



**Item No:** 45LADOID

**Required:** No

**Description:** AB 450L GuardShield Light Curtain Optical Interface Tool Connected Component Workbench Diagnostics



**Item No:** 450LALATC

**Required:** No

**Description:** AB 450L GuardShield Light Curtain Mounting Bracket for Laser Alignment Aid for 440LALAT



**Item No:** 450LAMODMUT8

**Required:** No

**Description:** AB 450L GuardShield Light Curtain Muting Distribution Block for 450LB and LE



**Item No:** 450LAMSM

**Required:** No

**Description:** AB 450L GuardShield Light Curtain Side Mounting Backet Kit Qty 2



**Item No:** 450LAMUTIL

**Required:** No

**Description:** AB 450L GuardShield Light Curtain Muting Lamp for 450LB and LE



**Item No:** 450LAPRED8

**Required:** No

**Description:** AB 450L GuardShield Light Curtain Receiver EDM Reset Scanning Plug In 8 Pin M12 for 450LE



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**Item No:** 889DF4NE2

**Required:** No

**Description:** AB 889D Cordset Cable PVC Red 4 Pin 18AWG DC Micro Female Straight M12 Unshielded 2m

**Item No:** 889DF4NE20

**Required:** No

**Description:** AB 889D Cordset Cable PVC Red 4 Pin 18AWG DC Micro Female Straight M12 Unshielded 20m

**Item No:** 889DF4NE30

**Required:** No

**Description:** AB 889D Cordset Cable PVC Red 4 Pin 18AWG DC Micro Female Straight M12 Unshielded 30m

**Item No:** 889DF4NE5

**Required:** No

**Description:** Allen-Bradley 889D Cable PVC Red 4 Pin 18AWG DC Micro Female 5m

**Item No:** 889DF4NEDM0M3

**Required:** No

**Description:** AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 0.3m

**Item No:** 889DF4NEDM0M6

**Required:** No

**Description:** AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 0.6m

**Item No:** 889DF4NEDM1

**Required:** No

**Description:** AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 1m

**Item No:** 889DF4NEDM10

**Required:** No

**Description:** AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 10m



**Item No:** 889DF4NEDM15

**Required:** No

**Description:** AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 150m

**Item No:** 889DF4NEDM2

**Required:** No

**Description:** AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 2m

**Item No:** 889DF4NEDM20

**Required:** No

**Description:** AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 20m

**Item No:** 889DF4NEDM3

**Required:** No

**Description:** AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 3m

**Item No:** 889DF4NEDM30

**Required:** No

**Description:** AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 30m

**Item No:** 889DF4NEDM5

**Required:** No

**Description:** AB 889D Cordset PVC Red 4 Pin 18AWG DC Micro Male Straight DC Micro Female Straight M12 5m

**Item No:** 889DF5BC10

**Required:** No

**Description:** AB 889D Cordset Cable PVC Black 5 Pin 22AWG DC Micro Female Straight M12 Unshielded 10m

**Item No:** 889DF5BC2

**Required:** No

**Description:** AB 889D Cordset Cable PVC Black 5 Pin 22AWG DC Micro Female Straight M12 Unshielded 2m



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**Item No:** 889DF5BC20

**Required:** No

**Description:** AB 889D Cordset Cable PVC Black 5 Pin 22AWG DC Micro Female Straight M12 Unshielded 20m

**Item No:** 889DF5BC5

**Required:** No

**Description:** AB 889D Cordset Cable PVC Black 5 Pin 22AWG DC Micro Female Straight M12 Unshielded 5m

**Item No:** 889DF5NCDM0M3

**Required:** No

**Description:** AB 889D Cordset PVC Red 5 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 0.3m

**Item No:** 889DF5NCDM0M6

**Required:** No

**Description:** AB 889D Cordset PVC Red 5 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 6m

**Item No:** 889DF5NCDM1

**Required:** No

**Description:** AB 889D Cordset PVC Red 5 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 1m

**Item No:** 889DF5NCDM10

**Required:** No

**Description:** AB 889D Cordset PVC Red 5 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 10m

**Item No:** 889DF5NCDM2

**Required:** No

**Description:** AB 889D Cordset PVC Red 5 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 2m

**Item No:** 889DF5NCDM20

**Required:** No

**Description:** AB 889D Cordset PVC Red 5 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 20m



**Item No:** 889DF5NCDM30

**Required:** No

**Description:** AB 889D Cordset PVC Red 5 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 30m

**Item No:** 889DF5NCDM5

**Required:** No

**Description:** AB 889D Cordset PVC Red 5 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 5m

**Item No:** 889DF8AB10

**Required:** No

**Description:** AB 889D Cordset Cable PVC Black 8 Pin 24AWG DC Micro Female Straight M12 Unshielded 10m

**Item No:** 889DF8AB15

**Required:** No

**Description:** AB 889D Cordset Cable PVC Black 8 Pin 24AWG DC Micro Female Straight M12 Unshielded 15m

**Item No:** 889DF8AB2

**Required:** No

**Description:** AB 889D Cordset Cable PVC Black 8 Pin 24AWG DC Micro Female Straight M12 Unshielded 2m

**Item No:** 889DF8AB20

**Required:** No

**Description:** AB 889D Cordset Cable PVC Black 8 Pin 24AWG DC Micro Female Straight M12 Unshielded 20m

**Item No:** 889DF8AB30

**Required:** No

**Description:** AB 889D Cordset Cable PVC Black 8 Pin 24AWG DC Micro Female Straight M12 Unshielded 30m

**Item No:** 889DF8AB5

**Required:** No

**Description:** AB 889D Cordset Cable PVC Black 8 Pin 24AWG DC Micro Female Straight M12 Unshielded 5m

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**Item No:** 889DF8NBDM0M3

**Required:** No

**Description:** AB 889D Cordset PVC Red 8 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 0.2m

**Item No:** 889DF8NBDM0M6

**Required:** No

**Description:** AB 889D Cordset PVC Red 8 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 0.6m

**Item No:** 889DF8NBDM1

**Required:** No

**Description:** AB 889D Cordset PVC Red 8 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 1m

**Item No:** 889DF8NBDM10

**Required:** No

**Description:** AB 889D Cordset PVC Red 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 10m

**Item No:** 889DF8NBDM2

**Required:** No

**Description:** AB 889D Cordset PVC Red 8 Pin 22AWG DC Micro Male Straight DC Micro Female Straight M12 2m



**Item No:** 889DF8NBDM20

**Required:** No

**Description:** AB 889D Cordset PVC Red 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 20m

**Item No:** 889DF8NBDM30

**Required:** No

**Description:** AB 889D Cordset PVC Red 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 30m

**Item No:** 889DF8NBDM5

**Required:** No

**Description:** AB 889D Cordset PVC Red 8 Pin 24AWG DC Micro Male Straight DC Micro Female Straight M12 5m

**Item No:** 9290

**Required:** No

**Description:** Allen-Bradley Photoelectric Sensor Reflector Round Corner Cube 63mm Diameter 2 x Thru Hole Mount

