

Preventa™ XUSL Light Curtains

Catalog

06

File 9007





CONTENTS

Description	Page
Selection	3
XUSLP Type 4 Body Detection	4
XUSLN Type 2 Hand Detection	12
XUSL Light Curtain Accessories	16



Preventa™ XUSL Light Curtains Selection

Applications		Packaging, conveyor systems, materials handling, warehousing, stocking, etc.	
Functions		Body protection (300, 400, 500 and 600 mm)	Hand protection (30 mm)
Device		Safety light curtains, type 4 1 to 6 beam light curtains with infrared transmission (1 transmitter-receiver pair)	Safety light curtains, type 2 Multi-beam light curtains with infrared transmission (1 transmitter-receiver pair)
			
Conformity to standards	Products	ANSI/RIA R15.06, ANSI B11:19-1990, OSHA 1910.217(C), OSHA 1910.212, type 4 (ESPE) conforming to IEC 61496-1 and 2	IEC 61496-1 and IEC 61496-2 type 2 (ESPE)
	Machine Assemblies	Machinery directive 98/37/EC, Work equipment directive 89/655/EEC and EMC directive 89/336/EEC	Machinery directive 98/37/EC, Work equipment directive 89/655/EEC and EMC directive 89/336/EEC
Product certifications		CE, TUV, UL, CSA	CE, TUV, UL, CSA
Type of ESPE		Type 4	Type 2
Degree of protection		IP 65	IP 65
Dimensions (W x D)		2.05 x 2.17 in. (52 mm x 55 mm)	1.12 x 1.26 in. (28.5 x 32 mm)
Protected height (min/max)	Conforming to EN 999	29.53 to 70.87 in. (750 to 1800 mm) (1 to 6 light beams)	5.91 to 59.06 in. (150 to 1500 mm) (hand protection)
Range (min/max)		2.6 to 65.6 ft. (0.8 to 20 m) or 2.6 to 230 ft (0.8 to 70 m) depending on configuration 2.6 to 25.6 ft. (0.8 to 8 m) for light curtains with passive receiver	0.98 to 49.21 ft (0.3 to 15 m)
Response time		< 16 to < 24 ms depending on light beam coding selected	14 to 24 ms
Contacts	Safety	2 solid-state PNP outputs (N.O.) --- 24 Vdc, ≤ 650 mA Short-circuit protection	2 solid-state PNP outputs (N.O.) --- 24 Vdc, ≤ 500 mA Short-circuit protection
	Auxiliary	1 solid-state 100 mA, --- 24 Vdc PNP output	1 x 100 mA, --- 24 Vdc PNP alarm output
Main functions		Functions integrated in the light curtain: <ul style="list-style-type: none"> • Auto/Manual start and manual 1st cycle, • EDM (external devices monitoring), • test input, • 3 light beam codings available, 	Functions integrated in the light curtain: <ul style="list-style-type: none"> • automatic or manual start depending on version
"Muting" function (inhibition of the light curtain "detection" function)		Muting via external module	Muting via external module
Supply voltage		--- 24 Vdc ± 20%, 2 A	--- 24 Vdc ± 20%, 2 A
Product type		XUSLP●●●●	XUSLNGSC●●●●, XUSLNGSD●●●●
Page number		4	12

Preventa™ XUSLP Light Curtains

Technical Data

Light curtain type		XUSLP●●●●	
Conformity approvals			
Conformity to standards		ANSI/RIA R15.06, ANSI B11:19-1990, OSHA 1910.217(C), OSHA 1910.212, IEC 61496-1-2 for type 4 ESPE	
Certifications		CE, TUV, UL, CSA	
European directives		Machinery directive 98/37/EC, Work equipment directive 89/655/EEC and EMC directive 89/336 EEC	
Environment			
Ambient air temperature	Operating	+ 32 to + 131 °F (0 to + 55 °C)	
	For storage	-13 to +167 °F (- 25 to+ 75 °C)	
Relative humidity		95% maximum, without condensation	
Degree of protection		IP 65	
Shock and vibration resistance	Conforming to IEC 61496-1	Shock resistance: 10 gn, impulse 16 ms, Vibration resistance: 10...55 Hz, amplitude: 0.014 ± 0.0020 in. (0.35 ± 0.05 mm)	
Materials		Casing: aluminium with electrostatically applied red (RAL 3000) polyester paint finish; end caps: 20% fiberglass impregnated polycarbonate. Front face: acrylic.	
Mounting		End brackets (included)	
Optical characteristics			
Minimum object sensitivity (MOS)		11.8, 15.8, 19.7, and 23.6 in. (300, 400, 500, and 600 m) and single beam (Body protection)	
Nominal sensing range (Sn)		2.6 - 65.6 ft (0.8 - 20 m) or 2.6 - 230 ft (0.8 - 70 m) depending on configuration and 2.6 - 25.6 ft (0.8 - 8 m) for light curtains with passive receiver.	
Protected height		Depending on number of light beams	
Effective aperture angle (EAA)		2.5° at 9.8 ft (3 m)	
Light source		GaAlAs LED, 850 nm	
Resistance to ambient light		Conforming to IEC/EN 61496-2	
Electrical characteristics			
Response time		ms	< 16 to < 24 depending on light beam coding selected
Power supply			--- 24 Vdc ± 20% 2 A conforming to IEC 61496 and IEC 60204-1
	Transmitter	mA	100
	Receiver	A	1.6 (with maximum load)
Maximum current consumption (no-load)	Transmitter	mA	100
	Receiver	mA	300
Resistance to interference		Conforming to EN 61496-1	
Safety outputs OSSD (Output Signal Switching Devices)		2 solid-state PNP (N.O.) outputs ≤ 650 mA, --- 24 Vdc (Short-circuit protected)	
Auxiliary output		1 solid-state output 100 mA, --- 24 Vdc, PNP	
Monitoring activation of output switching devices (MPCE/EDM)		50 mA, --- 24 Vdc	
Signalling	Transmitter	1 LED (power supply)	
	Receiver	3 LEDs (stop, run, interlock) and a 2-digit display for diagnostics	
Connections (1)	Transmitter	M12, 5-pin, male connector or terminal block	
	Receiver	M12, 8-pin, male connector or terminal block	
Cable gauge	Transmitter/receiver pre-wired connector	22 awg (0.32 mm ²)	
Cable resistance	Transmitter/receiver	0.016 Ω per foot (0.055 Ω per meter) for 22 awg (0.32 mm ²) c.s.a. cable	
Cable lengths		Pre-wired connectors with cable lengths of 16.4, 32.8, 49.2 and 98.4 ft (5, 10, 15 and 30 m) are available separately. The maximum cable length is 394 ft (120 m), depending on the load current and power supply.	
Functions			
Functions		Start: Auto/Manual, manual 1 st cycle, Monitoring of external switching devices (EDM: External Devices Monitoring), Test (MTS: Monitoring Test Signal) for XUS LPZ only, Alignment aid by display of each light beam broken, Display of operating modes and alarm by LEDs and 2-digit display, Selection of Auto/Manual, relay monitoring, alarm or auxiliary output functions, light beam coding and selection of sensing distance using configuration switches.	
Monitoring of external switching devices (EDM = External Devices Monitoring)		Monitoring of the function (open or closed) as well as the response time of the power components. Configurable using configuration switches.	
"Test" function (MTS)		Instigates the stop instruction of the light curtain by opening the contact (simulated intrusion)	
"Muting" function		Possible with external module XPSLMS1150.	

(1) Pre-wired female connectors to be ordered separately, see page 7.

Ordering Information 5 - 7
Dimensions 8 - 9
Wiring Diagrams 10 - 11

Preventa™ XUSLP Light Curtains Ordering Information



Transmitter-receiver pairs for body protection (1)

Protection height 11.8, 15.8, 19.7, and 23.6 in. (300, 400, 500, and 600 mm) and single beam.
Sensing distance 2.6 - 65.6 ft (0.8 - 20 m) or 2.6 - 230 ft (0.8 - 70 m) (depending on configuration)

-- 2 PNP safety outputs

Protection height in. (mm)	Response time Light beam coding			Number of light beams	Auxiliary output	Catalog number (2)	Weight lb. (kg)
	A	B	C				
	ms	ms	ms				
–	< 24	< 20	< 16	1	PNP	XUSLPZ1AM	9.9 (4.500)
19.69 (500)	< 24	< 20	< 16	2	PNP	XUSLPZ2A0500M	13.9 (6.300)
23.62 (600)	< 24	< 20	< 16	2	PNP	XUSLPZ2A0600M	14.8 (6.700)
15.75 (400)	< 24	< 20	< 16	3	PNP	XUSLPZ3A0400M	15.9 (7.200)
19.69 (500)	< 24	< 20	< 16	3	PNP	XUSLPZ3A0500M	19.0 (8.600)
11.81 (300)	< 24	< 20	< 16	4	PNP	XUSLPZ4A0300M	18.1 (8.200)
11.81 (300)	< 24	< 20	< 16	5	PNP	XUSLPZ5A0300M	21.0 (9.500)
11.81 (300)	< 24	< 20	< 16	6	PNP	XUSLPZ6A0300M	22.9 (10.400)

(1) Supplied with 2 sets of 2 brackets with mounting hardware and a user guide with certificate of conformity.

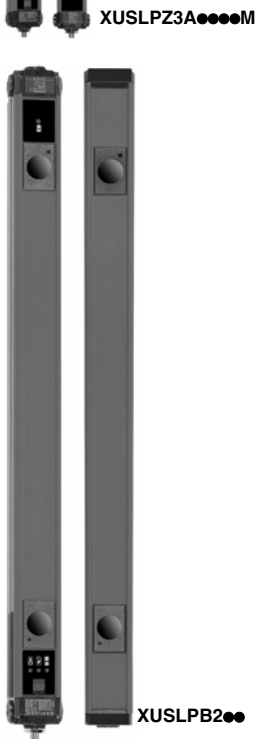
Pre-wired female connectors to be ordered separately, see page 7.

(2) To order a receiver only, add the letter **R** to the end of the reference for the corresponding transmitter-receiver pair.

Example: reference XUSLPZ2A0600M becomes **XUSLPZ2A0600MR** for the receiver only.

To order a transmitter only, add the letter **T** to the end of the reference for the corresponding transmitter-receiver pair.

Example: reference XUSLPZ2A0600M becomes **XUSLPZ2A0600MT** for the transmitter only.



Transmitter-receiver pairs for body protection, with passive receiver (1)

The **XUSLPB** system integrates the receiver and transmitter into one assembly, the transceiver, which is mated with a passive reflector unit. The passive unit does not require electrical connections.

Protection height 19.7 and 23.6 in. (500 and 600 mm). Sensing distance 2.6 to 26.3 ft (0.8 to 8 m)

-- 2 PNP safety outputs

Protection height in. (mm)	Response time Light beam coding			Number of light beams	Auxiliary output	Catalog number (2)	Weight lb (kg)
	A	B	C				
	ms	ms	ms				
19.69 (500)	< 24	< 20	< 16	2	PNP	XUSLPB2A0500M	13.9 (6.300)
23.62 (600)	< 24	< 20	< 16	2	PNP	XUSLPB2A0600M	14.8 (6.700)

(1) Supplied with 2 sets of 2 brackets with mounting hardware and a user guide with certificate of conformity.

Pre-wired female connectors to be ordered separately, see page 7.

(2) To order a receiver only, add the letter **R** to the end of the reference for the corresponding transmitter-receiver pair.

Example: reference XUSLPB2A0500M becomes **XUSLPB2A0500MR** for the receiver only.

To order a transmitter only, add the letter **T** to the end of the reference for the corresponding transmitter-receiver pair.

Example: reference XUSLPB2A0600M becomes **XUSLPB2A0600MT** for the transmitter only.



File E198201
NIPF ESPE



Class 219153



Technical Data 4
Dimensions 8 - 9
Wiring Diagrams 10 - 11

Preventa™ XUSLP Light Curtains

Ordering Information



XUSLPZ3A●●●●●B



XUSLPZ1AB

Transmitter-receiver pairs for body protection (1)

Protection height 11.8, 15.8, 19.7, and 23.6 in. (300, 400, 500, and 600 mm) and single beam.
Sensing distance 2.6 - 65.6 ft (0.8 - 20 m) or 2.6 - 230 ft (0.8 - 70 m) (depending on configuration)

-- 2 PNP safety outputs

Protection height in. (mm)	Response time Light beam coding			Number of light beams	Auxiliary output	Catalog number (2)	Weight lb (kg)
	A	B	C				
	ms	ms	ms				
–	< 24	< 20	< 16	1	PNP	XUSLPZ1AB	9.9 (4.500)
19.69 (500)	< 24	< 20	< 16	2	PNP	XUSLPZ2A0500B	13.9 (6.300)
23.62 (600)	< 24	< 20	< 16	2	PNP	XUSLPZ2A0600B	14.8 (6.700)
15.75 (400)	< 24	< 20	< 16	3	PNP	XUSLPZ3A0400B	15.9 (7.200)
19.69 (500)	< 24	< 20	< 16	3	PNP	XUSLPZ3A0500B	19.0 (8.600)
11.81 (300)	< 24	< 20	< 16	4	PNP	XUSLPZ4A0300B	18.1 (8.200)
11.81 (300)	< 24	< 20	< 16	5	PNP	XUSLPZ5A0300B	21.0 (9.500)
11.81 (300)	< 24	< 20	< 16	6	PNP	XUSLPZ6A0300B	22.9 (10.400)

(1) Supplied with 2 sets of 2 brackets with mounting hardware and a user guide with certificate of conformity.

Supplied with terminal port and conduit opening for wiring termination. User supplies cable for wiring.

(2) To order a receiver only, add the letter **R** to the end of the reference for the corresponding transmitter-receiver pair.

Example: reference XUSLPZ2A0600B becomes **XUSLPZ2A0600BR** for the receiver only.

To order a transmitter only, add the letter **T** to the end of the reference for the corresponding transmitter-receiver pair.

Example: reference XUSLPZ2A0600B becomes **XUSLPZ2A0600BT** for the transmitter only.



File E198201
NIPF ESPE

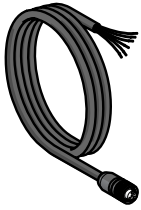


Class 219153

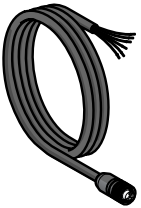


Technical Data 4
Dimensions 8 - 9
Wiring Diagrams 10 - 11

Preventa™ XUSLP Light Curtains Ordering Information



XSZTCT●●



XSZTCR●●

Separate components

Power supplies, 90° mirror adaptors, protective covers, anti-vibration kit

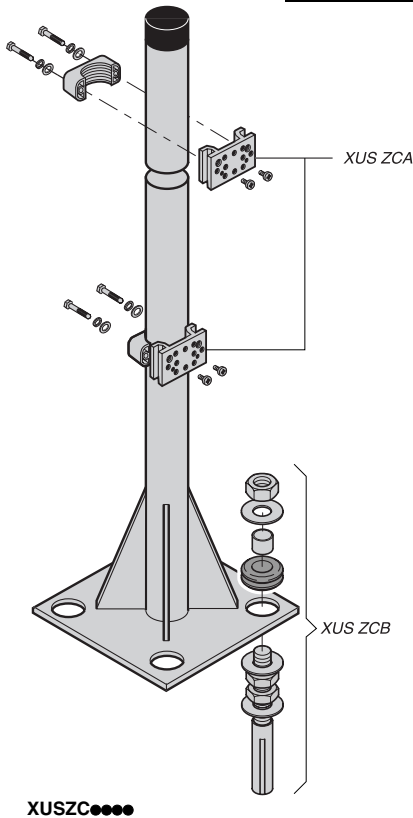
See pages 16 to 18.

Accessories

Description	Usage	Length ft (m)	Catalog number	Weight lb (kg)
Mounting kit (2 brackets)	For light curtains XUSLP	–	XUSLZ219	1.0 (0.450)
Pre-wired female connectors	Transmitter type	16.40 (5)	XSZPCT05	0.77 (0.350)
		32.81 (10)	XSZPCT10	1.54 (0.700)
		49.21 (15)	XSZPCT15	2.25 (1.020)
		98.43 (30)	XSZPCT30	4.45 (2.020)
	Receiver type	16.40 (5)	XSZPCR05	0.77 (0.350)
		32.81 (10)	XSZPCR10	1.54 (0.700)
		49.21 (15)	XSZPCR15	2.25 (1.020)
		98.43 (30)	XSZPCR30	4.45 (2.020)
Sliding nuts for side mounting (4 nuts)	–	–	XUSLZ320	1.0 (0.450)
User guide on CD-ROM	All types of light curtain	–	XUSLZ450	0.71 oz (0.020 kg)

Mounting base for light curtain and mirror

Environmental characteristics		XUSZC●●●●
Ambient air temperature	Operating	-13 to +158 °F (- 25 to+ 70 °C)
	For storage	-13 to +158 °F (- 25 to+ 70 °C)
Materials		Mounting base: steel End protection: black polycarbonate, 20% fiberglass



Mounting bases

Description	For use with			Height in. (mm)	Catalog number	Weight lb (kg)
	Light curtains Height in. (mm)	Mirrors Height in. (mm)	IP 67 tube Height in. (mm)			
Mounting base XUSZC●●●●	5.91 to 35.43 (150 to 900)	7.17 to 35.2 (182 to 894)	17.09 to 37.64 (434 to 956)	47.24 (1200)	XUSZC1200	25.0 (11.340)
	34.25 to 59.06 (870 to 1500)	39.17 to 59.17 (995 to 1503)	41.02 to 58.15 (1042 to 1477)	70.87 (1800)	XUSZC1800	35.0 (15.880)
	61.81 to 70.87 (1570 to 1800)	63.19 to 67.17 (1605 to 1706)	61.61 to 75.47 (1565 to 1917)	82.68 (2100)	XUSZC2100	45.0 (20.410)
	75.59 to 82.48 (1920 to 2095)	75.2 (1910)	82.32 (2091)	94.49 (2400)	XUSZC2400	60.0 (27.220)
	–	88.19 (2240)	81.34 (2066)	122.05 (3100)	XUSZC3100	66.0 (29.940)

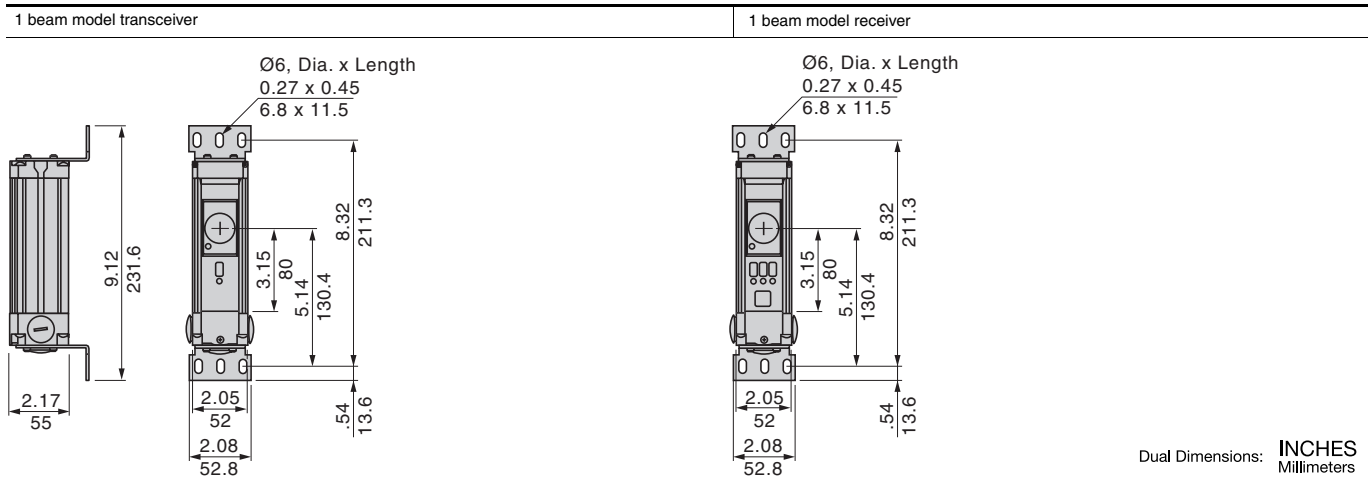
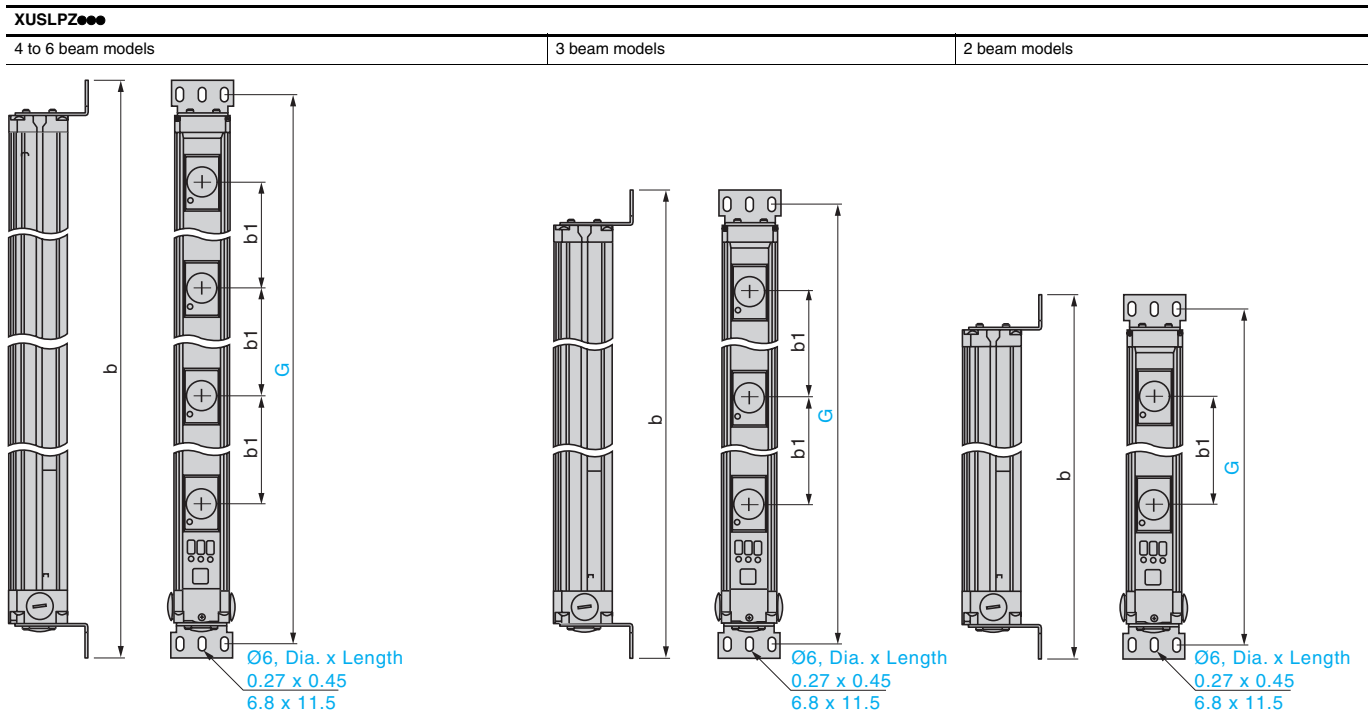
Accessories

Description	For use with	Catalog number	Weight lb (kg)
Mounting kit (sold in lots of 2)	Mounting base XUSZC●●●●	XUSZCA	1.0 (0.450)
Floor mounting kit consisting of: 4 bolts, 4 rawplugs, 12 washers, 8 standard nuts, 4 lock nuts, 4 rubber insulators, 4 spacers (tube)	Mounting base XUSZC●●●●	XUSZCB	1.0 (0.450)

Dimensions..... 8-9

Preventa™ XUSLP Light Curtains

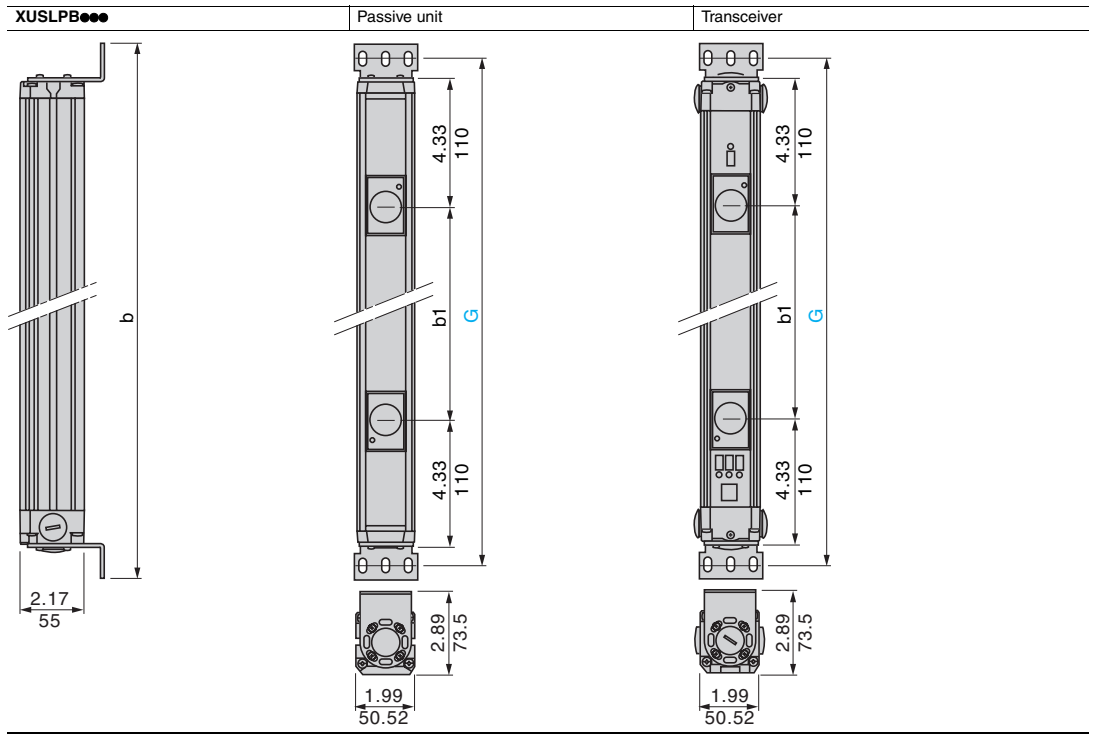
Dimensions



XUS	b in. (mm)	b1 in. (mm)	G in. (mm)
LPZ1A●	9.49 (241.1)	-	8.32 (211.3)
LPZ2A0500M●	29.18 (741.1)	19.69 (500)	28.00 (711.3)
LPZ2A0600M●	33.11 (841.1)	23.62 (600)	31.94 (811.3)
LPZ3A0400M●	40.99 (1041.1)	15.75 (400)	39.81 (1011.3)
LPZ3A0500M●	48.86 (1241.1)	19.69 (500)	47.69 (1211.3)
LPZ4A0300M●	44.93 (1141.1)	11.81 (300)	43.75 (1111.3)
LPZ5A0300M●	56.36 (1431.6)	11.81 (300)	55.56 (1411.3)
LPZ6A0300M●	68.17 (1731.6)	11.81 (300)	67.37 (1711.3)

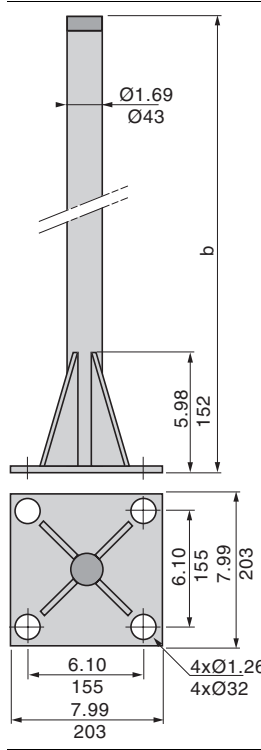
Technical Data 4
 Ordering Information 5 - 7
 Wiring Diagrams 10 - 11

Preventa™ XUSLP Light Curtains Dimensions

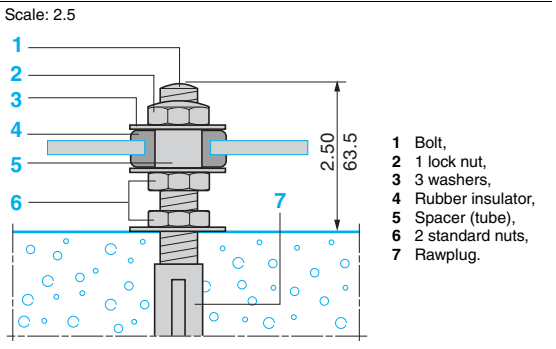


XUS	b in. (mm)	b1 in. (mm)	G in. (mm)
LPB2A500M	30.75 (781.1)	19.69 (500)	30.74 (780.8)
LPB2A600M	34.69 (881.1)	23.62 (600)	33.48 (850.3)

Mounting base **XUSZC** Floor mounting kit (quantity 4) for mounting base **XUSZC**



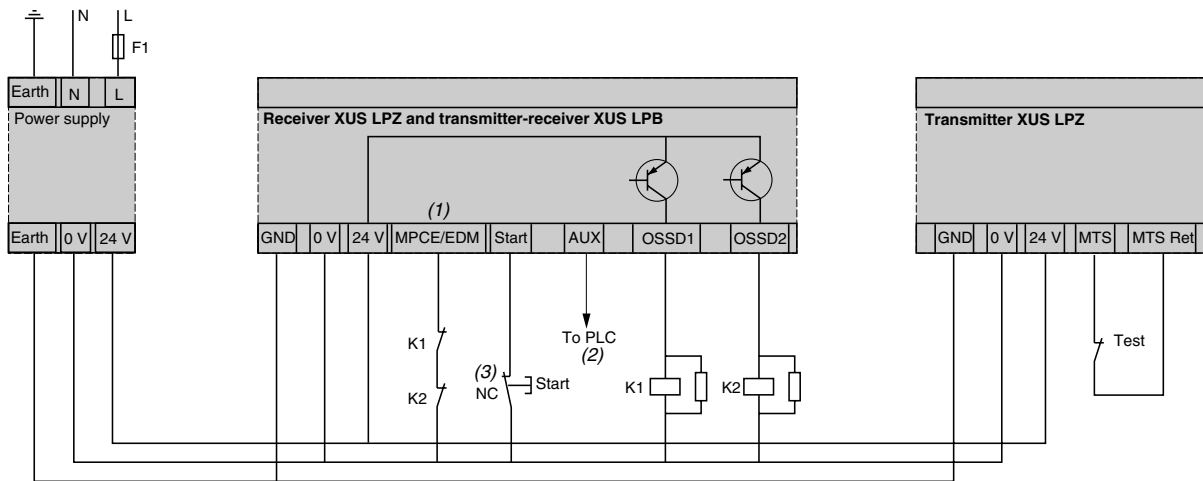
XUS	b in. (mm)
XUSZC1200	47.24 (1200)
XUSZC1800	70.87 (1800)
XUSZC2100	82.68 (2100)
XUSZC2400	94.49 (2400)
XUSZC3100	122.05 (3100)



Technical Data 4
 Ordering Information 5 - 7
 Wiring Diagrams 10 - 11

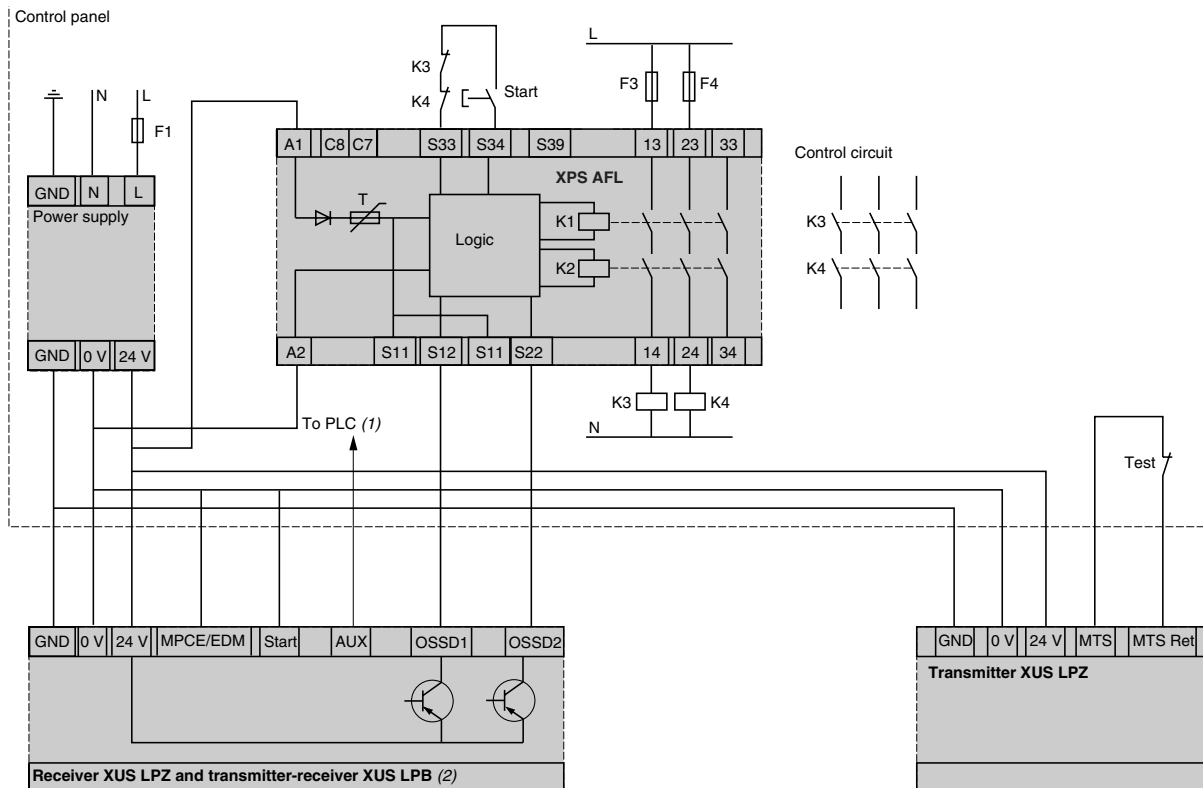
Preventa™ XUSLP Light Curtains Wiring Diagrams

Direct connection with XUSLP



- (1) For testing prior to installation, the user can select MPCE/EDM OFF (default factory setting). In this case, the MPCE/EDM line must be connected to the 0 V line of the system.
- (2) The auxiliary output connects to a PLC (optional).
- (3) If remote start is not used, connect the start line to the 0 V line.

Connection via a Preventa XPSAFL module



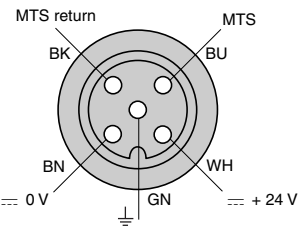
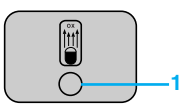
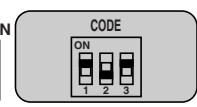
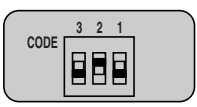
- (1) The auxiliary output connects to a PLC (optional).
- (2) The light curtain must be configured with MPCE/EDM OFF and with automatic start.

Technical Data 4
 Ordering Information 5 - 7
 Dimensions 8 - 9

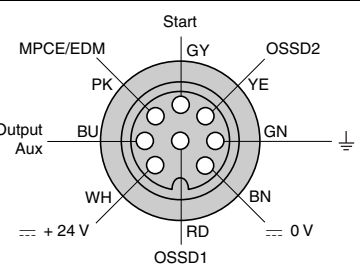
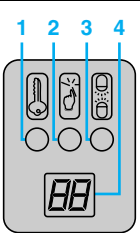
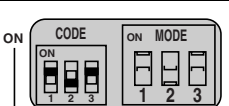
Preventa™ XUSLP Light Curtains Wiring Diagrams

XUS LPZ/LPB

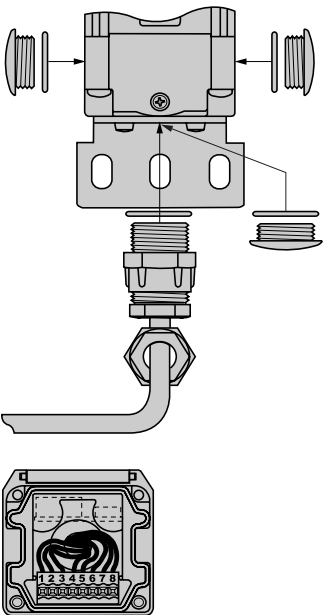
Transmitter

<p>Pre-wired connector of transmitter</p> 	<p>Transmitter status indicator</p>  <p>1 Yellow LED</p>	<p>Configuration indicator XUS LPZ ♦</p> 	<p>Configuration indicator XUS LPB ♦</p> 
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Receiver

<p>Pre-wired connector of receiver</p> 	<p>Receiver status indicator</p>  <ol style="list-style-type: none"> 1 Interlock or Alarm yellow LED 2 Machine stop red LED 3 Machine run green LED 4 2-digit display 	<p>Configuration indicator ♦ XUS LPZ and XUS LPB</p> 
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Connection to terminal block (without pre-wired connector)



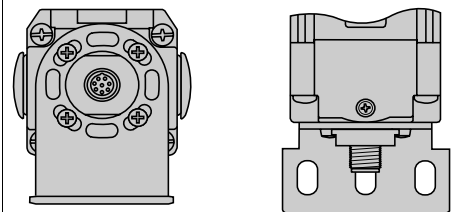
Receiver Terminal Block

Terminal	Function
1	OSSD 1
2	OSSD 2
3	Auxiliary output
4	Start
5	EDM/MPCE
6	+24 Vdc
7	24 V return (0 Vdc)
8	Earth

Transmitter Terminal Block

Terminal	Function
1	Not used
2	Not used
3	Not used
4	MTS
5	MTS return
6	+24 Vdc
7	24 V return (0 Vdc)
8	Earth

Connection to M12 connector



♦ For configuration codes, consult instruction bulletin that comes packaged with the product.

Technical Data 4
Ordering Information 5-7
Dimensions 8-9

Preventa™ XUSLN Light Curtains

Technical Data

Light curtain type		XUSLNG●●●● 1.18 in. (30 mm)	
Conformity/Approvals			
Conformity to standards		IEC 61496-1 and IEC 61496-2 (Type 2 ESPE)	
Certifications		CE, TUV, UL, CSA	
European directives		Machinery directive 98/37/EC, Work equipment directive 89/655/EEC and EMC directive 89/336 EEC	
Environment			
Ambient air temperature	Operating	+ 32 to +131 °F (0 to + 55 °C)	
	For storage	- 13 to +167 °F (- 25 to + 75 °C)	
Relative humidity		95% maximum, without condensation	
Degree of protection		IP 65	
Shock and vibration resistance	Conforming to IEC 61496-1	Shock resistance: 10 gn, impulse 16 ms, Vibration resistance: 10 to 55 Hz, amplitude: 0.014 ± 0.0020 in. (0.35 ± 0.05 mm)	
Materials		Casing: aluminium with electrostatically applied red (RAL 3000) polyester paint finish; end caps: 30% fiberglass impregnated nylon; front face: acrylic.	
Mounting		End brackets (included)	
Optical characteristics			
Minimum object sensitivity (MOS)		1.18 in. (30 mm) (Hand)	
Nominal sensing range (Sn)		1 to 49.3 ft (0.3 to 15 m)	
Protected height		5.29 to 57.87 in. (150 to 1500 mm)	
Effective aperture angle (EAA)		5° at 9.84 ft (3 m) conforming to IEC 61496-1 and IEC 61496-2 (Type 2 ESPE)	
Light source		GaAlAs LED, 880 nm	
Resistance to ambient light		Conforming to IEC/EN 61496-2	
Electrical characteristics			
Response time		ms	14 to 24 dependent on protection heights
Power supply	Transmitter	mA	--- 24 Vdc ± 20% 2 A conforming to IEC 61496 and IEC 60204-1
	Receiver	A	1.09 (with maximum load)
Maximum current consumption (no-load)	Transmitter	mA	50
	Receiver	mA	90
Resistance to interference		Conforming to EN 61496-1 and EN 61496-2	
Safety outputs OSSD (Output Signal Switching Devices)		2 solid-state PNP (N.O.) outputs ≤ 500 mA, --- 24 Vdc (Short-circuit protection)	
Signalling	Transmitter	2 LEDs (power supply and diagnostic)	
	Receiver	4 LEDs (stop, run, top alignment and bottom alignment)	
Connections (1)	Transmitter	M12, 4-pin, male connector	
	Receiver	M12, 5-pin, male connector	
Cable gauge	Transmitter/Receiver (prewired connector)	22 awg (0.25 mm ²)	
Cable resistance	Transmitter/Receiver	Ω	0.028 Ω per ft (0.093 Ω per m) for 22 awg (0.25 mm ²) c.s.a. cable
Cable lengths		Pre-wired connectors with cable lengths of 9.84, 32.81, and 98.43 ft (3, 10 and 30 m) are available separately. The maximum cable length is 164 ft (50 m), depending on the load current and power supply.	
Functions			
Functions		<ul style="list-style-type: none"> ■ Start: □ Automatic: model XUSLNG5C □ Manual: model XUSLNG5D ■ Alignment aid using 2 LEDs ■ LED display of operating modes ■ Monitoring of external switching devices EDM/MPCE 	
"Muting" function		Possible with external module XPSLCM1150	

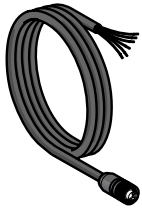
(1) Pre-wired female connectors to be ordered separately, see page 13.

Ordering Information 13
Dimensions 14
Wiring Diagrams 14 - 15

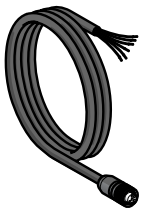
Preventa™ XUSLN Light Curtains Ordering Information



XUSLNG5●●●●●●



XSZNCT●●



XSZNCR●●

UL File E198201
NIPF ESPE

SP Class 219153



Transmitter-receiver system for hand protection (1)

Protection height 1.18 in. (30 mm). Sensing distance 0.98 to 49.21 (0.3 to 15 m).

Protection height in. (mm)	Response time ms	Number of beams	Alarm output	Catalog number(2)	Weight lb. (kg)
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2 PNP safety outputs - Automatic start

5.91 (150)	14	7	PNP	XUSLNG5C0150	6.0 (2.700)
11.81 (300)	15	14	PNP	XUSLNG5C0300	6.4 (2.900)
17.72 (450)	16	21	PNP	XUSLNG5C0450	7.1 (3.200)
23.62 (600)	17	28	PNP	XUSLNG5C0600	7.5 (3.400)
29.53 (750)	18	35	PNP	XUSLNG5C0750	7.9 (3.600)
35.43 (900)	19	42	PNP	XUSLNG5C0900	8.6 (3.900)
41.34 (1050)	20	49	PNP	XUSLNG5C1050	9.0 (4.100)
47.24 (1200)	21	56	PNP	XUSLNG5C1200	9.5 (4.300)
53.15 (1350)	22	63	PNP	XUSLNG5C1350	9.9 (4.500)
59.06 (1500)	23	70	PNP	XUSLNG5C1500	10.6 (4.800)

2 PNP safety outputs - Manual start

5.91 (150)	14	7	PNP	XUSLNG5D0150	6.0 (2.700)
11.81 (300)	15	14	PNP	XUSLNG5D0300	6.4 (2.900)
17.72 (450)	16	21	PNP	XUSLNG5D0450	7.1 (3.200)
23.62 (600)	17	28	PNP	XUSLNG5D0600	7.5 (3.400)
29.53 (750)	18	35	PNP	XUSLNG5D0750	7.9 (3.600)
35.43 (900)	19	42	PNP	XUSLNG5D0900	8.6 (3.900)
41.34 (1050)	20	49	PNP	XUSLNG5D1050	9.0 (4.100)
47.24 (1200)	21	56	PNP	XUSLNG5D1200	9.5 (4.300)
53.15 (1350)	22	63	PNP	XUSLNG5D1350	9.9 (4.500)
59.06 (1500)	23	70	PNP	XUSLNG5D1500	10.6 (4.800)

- Supplied with a test rod, 2 sets of 2 brackets with mounting hardware and a user guide with certificate of conformity and 1 arc suppressor set.
Pre-wired female connectors to be ordered separately, see page 13.
- To order a transmitter only, replace the letter C or D by **E** and add the letter **T** to the end of the reference for the corresponding transmitter-receiver pair.
Example: reference XUSLNG5C0150 becomes **XUSLNG5E0150T** for the transmitter only.
To order a receiver only, add the letter **R** to the end of the reference for the corresponding transmitter-receiver pair.
Example: reference XUSLNG5C0150 becomes **XUSLNG5C0150R** for the receiver only.

Accessories

Description	For use with	Length ft. (m)	Catalog number	Weight lb. (kg)	
Mounting kit (2 brackets)	Light curtains XUSLN	–	XUSLZ218	1.0 (0.450)	
Pre-wired female connectors	Transmitter type	Light curtains XUSLN	9.84 (3)	XSZNCT03	1.5 (0.680)
			32.81 (10)	XSZNCT10	2.0 (0.910)
			98.43 (30)	XSZNCT30	3.0 (1.360)
	Receiver type	Light curtains XUSLN	9.84 (3)	XSZNCR03	1.5 (0.680)
			32.81 (10)	XSZNCR10	2.0 (0.910)
			98.43 (30)	XSZNCR30	3.0 (1.360)
Arc suppressor (pair)	All types of light curtain	–	XUSLZ500	0.71 oz (0.020 kg)	
User guide on CD-ROM	All types of light curtains and accessories	–	XUSLZ450	0.71 oz (0.020 kg)	

Separate components

Power supplies, 90° mirror adaptors and anti-vibration kit

See pages 16 and 18.

Technical Data 12
Dimensions 14
Wiring Diagrams..... 14 - 15

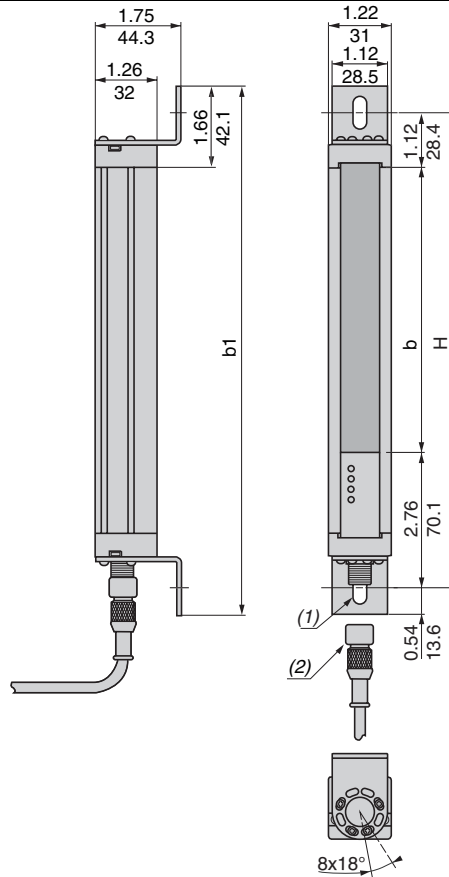
Preventa™ XUSLN Light Curtains

Dimensions and Wiring Diagrams

Dimensions

Slim, compact light curtains

XUSLN●●●



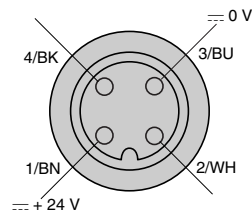
XUS	b	b1	H	Height protected
LN●●●0150	5.79 (147)	10.71 (272)	9.67 (245.6)	5.91 (150)
LN●●●0300	11.57 (294)	16.50 (419)	15.46 (392.6)	11.81 (300)
LN●●●0450	17.36 (441)	22.28 (566)	21.24 (539.5)	17.72 (450)
LN●●●0600	23.15 (588)	28.07 (713)	27.03 (686.6)	23.62 (600)
LN●●●0750	28.94 (735)	33.86 (860)	32.82 (833.6)	29.53 (750)
LN●●●0900	34.72 (882)	39.65 (1007)	38.61 (980.6)	35.43 (900)
LN●●●1050	40.51 (1029)	45.43 (1154)	44.39 (1127.6)	41.34 (1050)
LN●●●1200	46.30 (1176)	51.22 (1301)	50.18 (1274.6)	47.24 (1200)
LN●●●1350	52.09 (1323)	57.01 (1448)	55.97 (1421.6)	53.15 (1350)
LN●●●1500	57.87 (1470)	62.80 (1595)	61.76 (1568.6)	59.06 (1500)

- (1) 1 elongated hole $\varnothing 0.27 \times 0.66$ in. (6.75 x 16.75 mm).
- (2) M12 male connector.

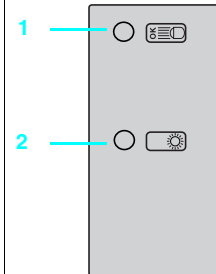
Wiring Diagrams

Transmitter

Pre-wired connector of transmitter XSZCNT



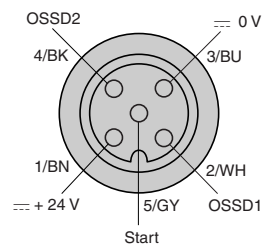
Transmitter status indicator



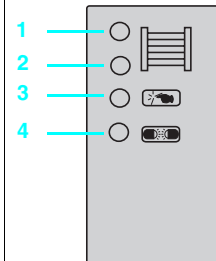
- 1 Interlock or Alarm (yellow LED)
- 2 Switch-on/Machine run (green LED)

Receiver

Pre-wired connector of receiver XSZNCR



Receiver status indicator

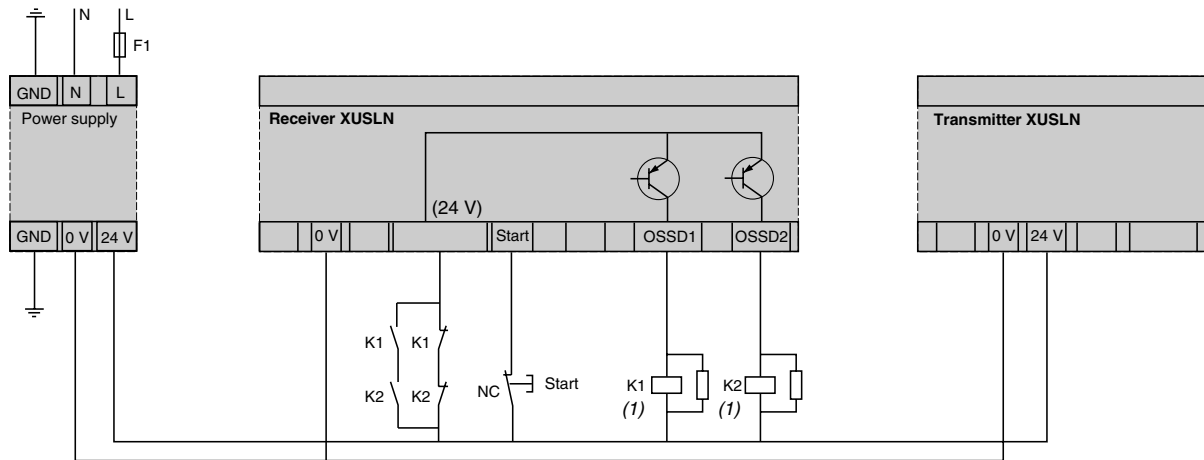


- 1 Top alignment (yellow LED)
- 2 Bottom alignment (yellow LED)
- 3 Stop (red LED)
- 4 Run (green LED)

Technical Data 12
Ordering Information 13

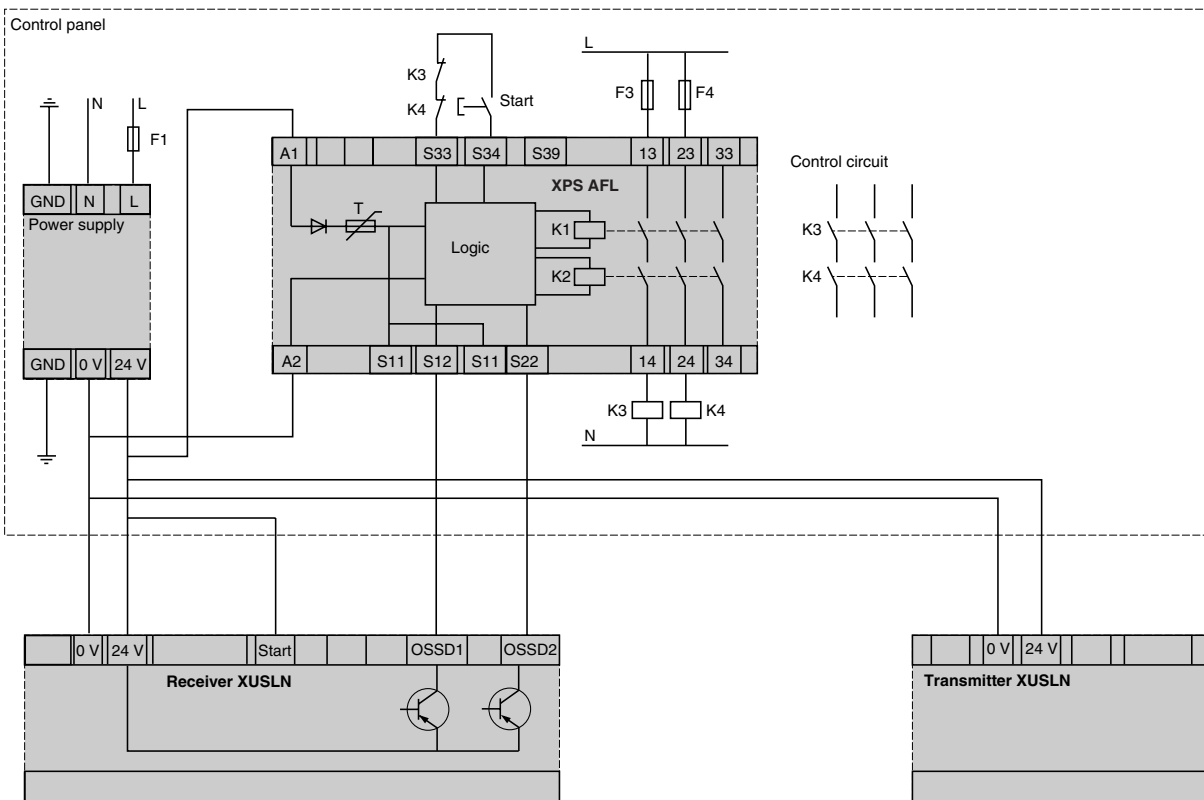
Preventa™ XUSLN Light Curtains Wiring Diagrams

Direct connection with XUSLNG5D●●●



(1) The K1 and K2 coils must be protected using the arc suppressors included in the documentation kit.

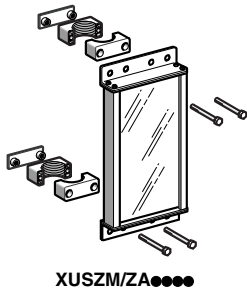
Connection of light curtain XUSLN5C●●● via a Preventa XPSAFL module



Technical Data	12
Ordering Information	13
Dimensions	14

Preventa™ XUSL Light Curtain Accessories

Ordering Information



90° mirror adapter for light curtains

Glass mirror (0.88 Sn) ⁽¹⁾						
Description	For use with light curtains			Height (2) in. (mm)	Catalog number	Weight lb. (kg)
	XUSLT	XUSLP	XUSLM/LN			
90° mirror adaptor with rotatable mounting	-	XUSLPZ1A	-	5.51 (140)	XUSZM0102	2.3 (1.040)
	-	-	-	7.52 (191)	XUSZM0152	2.9 (1.300)
	XUSLT000260	-	XUSLM/LN000150	13.5 (343)	XUSZM0305	4.2 (1.900)
	XUSLT000350	-	XUSLM/LN000300	19.49 (495)	XUSZM0457	5.5 (2.500)
	XUSLT000435	-	-	-	-	-
	-	-	XUSLM/LN000450	21.5 (546)	XUSZM0508	6.2 (2.800)
	XUSLT000520	XUSLP2A0500	-	25.51 (648)	XUSZM0610	7.1 (3.200)
	XUSLT000610	XUSLP2A0600	XUSLM/LN000600	29.49 (749)	XUSZM0711	8.2 (3.700)
	XUSLT000700	-	-	31.5 (800)	XUSZM0762	8.4 (3.800)
	XUSLT000785	-	XUSLM/LN000750	33.5 (851)	XUSZM0813	8.8 (4.000)
	XUSLT000870	XUSLPZ3A0400	-	37.52 (953)	XUSZM0914	9.9 (4.500)
	XUSLT000955	-	XUSLM/LN000900	41.5 (1054)	XUSZM1016	11.0 (5.000)
	XUSLT001045	XUSLPZ3A0500	-	43.5 (1105)	XUSZM1067	11.5 (5.200)
	XUSLT001130	XUSLPZ4A0300	XUSLM/LN001050	49.49 (1257)	XUSZM1219	13.0 (5.900)
	XUSLT001215	XUSLPZ5A0300	XUSLM/LN001200	53.5 (1359)	XUSZM1321	13.9 (6.300)
	XUSLT001305	-	-	-	-	-
	-	-	XUSLM/LN001350	55.51 (1410)	XUSZM1372	14.3 (6.500)
	XUSLT001390	-	-	57.52 (1461)	XUSZM1422	14.8 (6.700)
	-	-	XUSLM/LN001500	61.5 (1562)	XUSZM1524	15.9 (7.200)
	XUSLT001570	XUSLPZ6A0300	-	65.51 (1664)	XUSZM1626	16.8 (7.600)
	XUSLT001745	-	XUSLM0001650	73.5 (1867)	XUSZM1830	18.7 (8.500)
	-	-	XUSLM0001800	73.5 (1867)	XUSZM1830	18.7 (8.500)
	XUSLT001920	-	-	85.51 (2172)	XUSZM2134	21.6 (9.800)
	XUSLT002095	-	-	85.51 (2172)	XUSZM2134	21.6 (9.800)

Stainless steel mirror (0.82 Sn) ⁽¹⁾						
Description	For use with light curtains			Height (2) in. (mm)	Reference	Weight lb. (kg)
	XUSLT	XUSLP	XUSLM/LN			
90° mirror adaptor with rotatable mounting	-	XUSLPZ1A	-	5.51 (140)	XUSZA0102	2.4 (1.090)
	-	-	-	7.52 (191)	XUSZA0152	2.9 (1.300)
	XUSLT000260	-	XUSLM/LN000150	13.5 (343)	XUSZA0305	4.4 (2.000)
	XUSLT000350	-	XUSLM/LN000300	19.49 (495)	XUSZA0457	6.0 (2.700)
	XUSLT000435	-	-	-	-	-
	-	-	XUSLM/LN000450	21.5 (546)	XUSZA0508	6.6 (3.000)
	XUSLT000520	XUSLP2A0500	-	25.51 (648)	XUSZA0610	7.7 (3.500)
	XUSLT000610	XUSLP2A0600	XUSLM/LN000600	29.49 (749)	XUSZA0711	8.6 (3.900)
	XUSLT000700	-	-	31.5 (800)	XUSZA0762	9.3 (4.200)
	XUSLT000785	-	XUSLM/LN000750	33.5 (851)	XUSZA0813	9.7 (4.400)
	XUSLT000870	XUSLPZ3A0400	-	37.52 (953)	XUSZA0914	9.9 (4.500)
	XUSLT000955	-	XUSLM/LN000900	41.5 (1054)	XUSZA1016	11.9 (5.400)
	XUSLT001045	XUSLPZ3A0500	-	43.5 (1105)	XUSZA1067	12.3 (5.600)
	XUSLT001130	XUSLPZ4A0300	XUSLM/LN001050	49.49 (1257)	XUSZA1219	14.1 (6.400)
	XUSLT001215	XUSLPZ5A0300	XUSLM/LN001200	53.5 (1359)	XUSZA1321	15.0 (6.800)
	XUSLT001305	-	-	-	-	-
	-	-	XUSLM/LN001350	55.51 (1410)	XUSZA1372	15.4 (7.000)
	XUSLT001390	-	-	57.52 (1461)	XUSZA1422	16.1 (7.300)
	-	-	XUSLM/LN001500	61.5 (1562)	XUSZA1524	17.2 (7.800)
	XUSLT001570	XUSLPZ6A0300	-	65.51 (1664)	XUSZA1626	18.3 (8.300)
	XUSLT001745	-	XUSLM0001650	73.5 (1867)	XUSZA1830	20.3 (9.200)
	-	-	XUSLM0001800	73.5 (1867)	XUSZA1830	20.3 (9.200)
	XUSLT001920	-	-	85.51 (2172)	XUSZA2134	23.4 (10.600)
	XUSLT002095	-	-	85.51 (2172)	XUSZA2134	23.4 (10.600)

- (1) Sensing distance reduction coefficient to be taken into account for each 90° mirror adapter used.
 (2) Usable reflective height.

Power supplies for light curtains XUSLT/LM/LN/LP ^{(3) (4)}

Input voltage 47...63 HZ	Output voltage --- Vdc	Nominal power W	Nominal current A	Catalog number	Weight lb. (kg)
100 to 240 Vac single-phase wide range 110 to 220 Vdc(5)	24 Vdc	72	3	ABL7RP2403	1.1 (0.520)
		120	5	ABL7RP2405	2.2 (1.000)
		240	10	ABL7RP2410	4.9 (2.240)

- (3) Conforms to standards EN 61000-3-2, EN/IEC 61496-1 and EN/IEC 60204-1.
 (4) For full information, please refer to the Phaseo Power Supplies catalogue.
 (5) Compatible input voltage, not stated on product.



ABL7RP2403

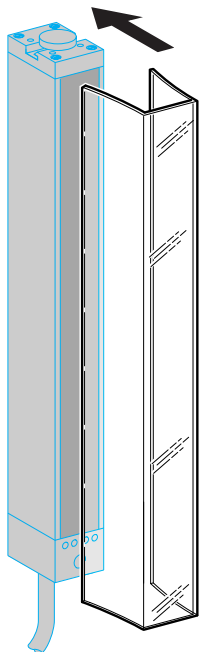
Wiring Diagrams 23
 Dimensions 20 - 22

Preventa™ XUSL Light Curtain Accessories Ordering Information

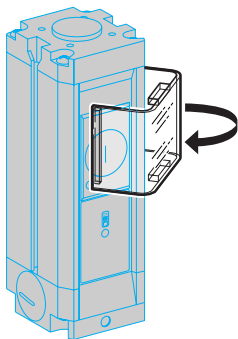
Protective covers for light curtains XUSLT/XUSLM/XUSLP	XUSZWS●●●●
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Environmental characteristics		
Air temperature	For operation	+ 32 to + 131 °F (0 to + 55 °C)
	For storage	- 13 to + 158 °F (- 25 to + 70 °C)
Material		Lexan
Sensing distance (Sn) reduction coefficient		0.91 (1)

Environmental chemicals		
Chemical resistance	Acids	Resistant
	Aliphatic hydrocarbons	
	Alcohols	Limited resistance
	Alkalis	
	Detergents and cleaners	
	Greases and oils	
	Silicone oils and greases not containing alkaline products	
	Amines	Not resistant
	Aromatic hydrocarbons	
	Detergents and cleaners containing alkaline products	
	Esters	
	Halogenated hydrocarbons	
	Ketones	
	Silicone oils and greases containing alkaline products	



XUSZWS/M●●●●



XUSZWS

Catalog numbers of protective covers

Description	For use with	Height in. (mm)	Catalog number	Weight lb. (kg)	
polycarbonate resin protective covers for transmitter-receiver pair (0.91 Sn) (1) (Sold in sets of 2)	XUSLT●●●260	11.54 (293)	XUSZWS0260	3.3 (1.500)	
	XUSLT●●●350	14.96 (380)	XUSZWS0350	3.5 (1.570)	
	XUSLT●●●435	18.39 (467)	XUSZWS0435	3.6 (1.620)	
	XUSLT●●●520	21.81 (554)	XUSZWS0520	3.7 (1.680)	
	XUSLT●●●610	25.24 (641)	XUSZWS0610	3.8 (1.740)	
	XUSLT●●●700	28.66 (728)	XUSZWS0700	4.0 (1.800)	
	XUSLT●●●785	32.09 (815)	XUSZWS0785	4.1 (1.860)	
	XUSLT●●●870	35.51 (902)	XUSZWS0870	4.2 (1.920)	
	XUSLT●●●955	38.94 (989)	XUSZWS0955	7.7 (3.470)	
	XUSLT●●●1045	42.32 (1075)	XUSZWS1045	7.8 (3.530)	
	XUSLT●●●1130	45.79 (1163)	XUSZWS1130	7.9 (3.590)	
	XUSLT●●●1215	49.17 (1249)	XUSZWS1215	8.0 (3.650)	
	XUSLT●●●1305	52.6 (1336)	XUSZWS1305	8.2 (3.710)	
	XUSLT●●●1390	56.02 (1423)	XUSZWS1390	8.3 (3.780)	
	XUSLT●●●1570	62.87 (1597)	XUSZWS1570	8.6 (3.900)	
	XUSLT●●●1745	69.72 (1771)	XUSZWS1745	9.0 (4.080)	
	XUSLT●●●1920	76.57 (1945)	XUSZWS1920	9.8 (4.450)	
	XUSLT●●●2095	83.46 (2120)	XUSZWS2095	10.6 (4.820)	
	polycarbonate resin protective covers for transmitter-receiver pair (0.91 Sn) (1) (Sold in sets of 2)	XUSLM●●●0150	6.20 (157)	XUSZWSM0150	1.1 (0.450)
		XUSLM●●●0300	12.11 (308)	XUSZWSM0300	1.1 (0.450)
XUSLM●●●0450		18.01 (457)	XUSZWSM0450	1.1 (0.450)	
XUSLM●●●0600		23.92 (608)	XUSZWSM0600	1.1 (0.450)	
XUSLM●●●0750		29.82 (757)	XUSZWSM0750	1.1 (0.450)	
XUSLM●●●0900		35.73 (908)	XUSZWSM0900	1.1 (0.450)	
XUSLM●●●1045		41.63 (1057)	XUSZWSM1045	1.1 (0.450)	
XUSLM●●●1200		47.54 (1208)	XUSZWSM1200	1.1 (0.450)	
XUSLM●●●1350		53.44 (1357)	XUSZWSM1350	2.0 (0.910)	
XUSLM●●●1500		59.35 (1507)	XUSZWSM1500	2.0 (0.910)	
XUSLM●●●1650		65.25 (1657)	XUSZWSM1650	2.0 (0.910)	
XUSLM●●●1800	71.16 (1807)	XUSZWSM1800	2.0 (0.910)		
polycarbonate resin protective covers for single beam device (0.91 Sn) (1) (Sold in sets of 2)	XUSLP	2.46 (62.48)	XUSZWS	1.0 (0.450)	

(1) Sensing distance reduction coefficient to be taken into account for each pair of Lexan protective covers used.

Preventa™ XUSL Light Curtain Accessories

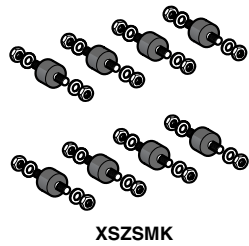
Ordering Information

Anti-vibration kit

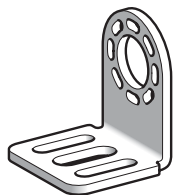
Selection according to weight and application											
Weight classes											
Light curtain type	Height in. (mm)	Weight class				Type of mirror adaptors	Height mm	Weight class			
		1	2	3	4			1	2	3	4
XUSLM/LN	5.91 - 23.62 (150 - 600)	●				XUSZM (1)	4.02 (102)	●			
	29.53 - 70.87 (750 - 1800)		●				12.01 - 17.99 (305 - 457)		●		
XUSLTQ	10.24 - 41.14 (260 - 1045)		●				20.0 - 27.99 (508 - 711)			●	
	44.49 - 54.72 (1130 - 1390)			●			32.01 - 40.0 (813 - 1016)				●
XUSLTR/Y	9.84 - 34.25 (250 - 870)		●			XUSZA	4.02 (102)	●			
	41.14 - 54.72 (1045 - 1390)		●				12.01 - 42.01 (305 - 1067)		●		
	61.81 - 82.48 (1570 - 2095)			●			47.99 - 64.02 (1219 - 1626)			●	
XUSLPZ1A	–			●			72.05 - 84.02 (1830 - 2134)				●
XUSLPZ2A0500 and XUSLPZ2A0600	–			●		(1) Use of the anti-vibration kit is not recommended for mirror adaptors greater than 40 in. (1016 mm) in height.					
XUSLPZ3A0400	–			●							
XUSLPZ3A0500	–			●							
XUSLPZ4A0300	–			●							
XUSLPZ5A0300 and XUSLPZ6A0300	–			●							
XUSLPB2A500 and XUSLPB2A600	–			●							

Applications

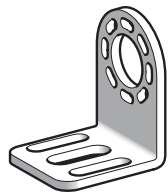
Weight class	Anti-shock applications (1)				Anti-vibration applications (2)				
	Shear mounted		Compression mounted		Shear mounted		Compression mounted		
	Number of mountings per head (3)	Catalog number	Number of mountings per head (3)	Catalog number	Number of mountings per head (3)	Catalog number	Number of mountings per head (3)	Catalog number	
1	2	XSZSMK	not recommended		2 or 4	XSZSMK	2		XSZSMK1
	2	XSZSMK1			2 or 4	XSZSMK1			
2	2 or 4	XSZSMK	2	XSZSMK1	2 or 4	XSZSMK	2	XSZSMK	
	2 or 4	XSZSMK1			2	XSZSMK2			
3	4	XSZSMK	2 or 4	XSZSMK1	2 or 4	XSZSMK	2 or 4	XSZSMK	
	4	XSZSMK1			4	XSZSMK1			
	2 or 4	XSZSMK2			2 or 4	XSZSMK2			
4	4	XSZSMK	4	XSZSMK1	4	XSZSMK	2	XSZSMK	
	4	XSZSMK1			4	XSZSMK1			
	2	XSZSMK2			2 or 4	XSZSMK2			



XSZSMK



XUSLZ216



XUSLZ227

- (1) Low frequency, high amplitude applications, such as punching presses where a powerful shock can exist.
 (2) High frequency, low amplitude applications, such as offset printing machines where constant vibration can exist.
 (3) Head: transmitter, receiver or mirror.

Shock absorber characteristics

Characteristics per shock absorber	Compression mounted					Shear mounted					
	Maximum load		Torque (k)		Natural frequency	Maximum load		Torque (k)		Natural frequency	
	lb.	kg	lb - in	Nm	Hz	lb.	kg	lb - in	Nm	Hz	
For anti-vibration kit	XSZSMK	18.0	8.16	222.5	25.16	11	3.0	1.36	27.7	3.13	9.5
	XSZSMK1	4.8	2.177	96.1	10.86	14	2.5	1.13	20.7	2.34	9
	XSZSMK2	55.0	24.94	949.7	107.39	13	23.0	10.43	132.2	14.94	7.5

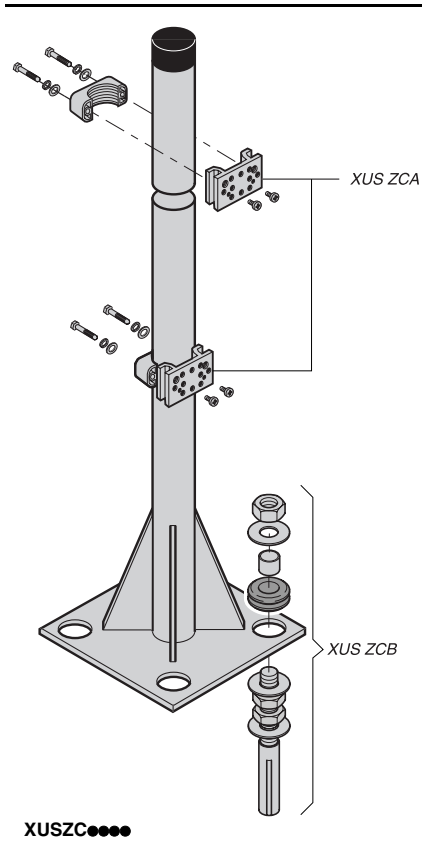
Catalog numbers of anti-vibration kits

Description	For use with	Catalog numbers	Weight oz. (kg)
Anti-vibration kit consisting of 8 shock absorbers, stud mounting. 16 washers and 16 nuts included with kit.	All types of light curtain and 90° mirror adaptors	XSZSMK	1.1 (0.030)
		XSZSMK1	0.71 (0.020)
		XSZSMK2	15.87 (0.045)
Mounting kit for XUSLM (2 brackets)	Anti-vibration kit	XUSLZ216	15.87 (0.045)
Mounting kit for XUSLM (2 brackets)	Anti-vibration kit	XUSLZ227	15.87 (0.045)

Dimensions.20 - 22

Preventa™ XUSL Light Curtain Accessories Ordering Information

Mounting base for light curtains and mirrors		XUSZC●●●●
Environmental characteristics		
Ambient air temperature	Operating	- 13 to + 158 °F (- 25 to + 70 °C)
	For storage	- 13 to + 158 °F (- 25 to + 70 °C)
Materials		Mounting base: steel End protection: black polycarbonate, 20% fiberglass

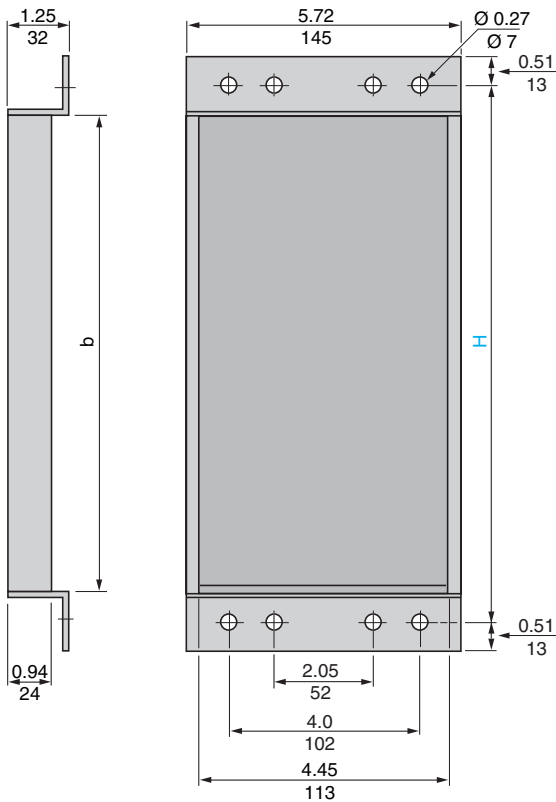


Mounting bases						
Description	For use with			Protected height in. (mm)	Catalog number	Weight lb. (kg)
	Light curtains Height in. (mm)	Mirrors Height in. (mm)	IP 67 tube Height in. (mm)			
Mounting base XUSZC●●●●	5.91 - 35.43 (150 - 900)	7.17 - 35.2 (182 - 894)	17.09 - 37.64 (434 - 956)	47.24 (1200)	XUSZC1200	25.0 (11.340)
	34.25 - 59.06 (870 - 1500)	39.17 - 59.17 (995 - 1503)	41.02 - 58.15 (1042 - 1477)	70.87 (1800)	XUSZC1800	35.0 (15.880)
	61.81 - 70.87 (1570 - 1800)	63.19 - 67.17 (1605 - 1706)	61.61 - 75.47 (1565 - 1917)	82.68 (2100)	XUSZC2100	45.0 (20.410)
	75.59 - 82.48 (1920 - 2095)	75.20 (1910)	82.32 (2091)	94.49 (2400)	XUSZC2400	60.0 (27.220)
	—	88.19 (2240)	81.34 (2066)	122.05 (3100)	XUSZC3100	66.0 (29.940)
Accessories						
Description	For use with			Reference	Weight lb. (kg)	
Mounting kit (sold in lots of 2)	Mounting base XUSZC●●●●			XUSZCA	1.0 (0.450)	
Floor mounting kit consisting of: 4 bolts, 4 rawplugs, 12 washers, 8 standard nuts, 4 lock nuts, 4 rubber insulators, 4 spacers (tube)	Mounting base XUSZC●●●●			XUSZCB	1.0 (0.450)	

Preventa™ XUSL Light Curtain Accessories Dimensions

90° mirror adaptors + mounting clamps

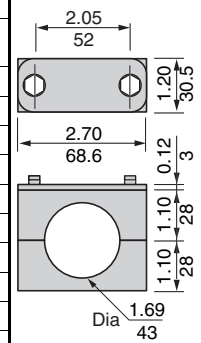
XUSZM●●●●/XUSZA●●●●



XUS

Glass	Stainless steel	b in. (mm)	H in. (mm)
ZM0102	ZA102	5.51 (140)	7.17 (182)
ZM0152	ZA152	7.52 (191)	9.17 (233)
ZM0305	ZA0305	13.50 (343)	15.20 (386)
ZM0457	ZA0457	19.49 (495)	21.18 (538)
ZM0508	ZA0508	21.50 (546)	23.19 (589)
ZM0610	ZA0610	25.51 (648)	27.17 (690)
ZM0711	ZA0711	29.49 (749)	31.18 (792)
ZM0762	ZA0762	31.50 (800)	33.19 (843)
ZM0813	ZA0813	33.50 (851)	35.20 (894)
ZM0914	ZA0914	37.52 (953)	39.17 (995)
ZM1016	ZA1016	41.50 (1054)	43.19 (1097)
ZM1067	ZA1067	43.50 (1105)	45.20 (1148)
ZM1219	ZA1219	49.49 (1257)	51.18 (1300)
ZM1321	ZA1321	53.50 (1359)	55.20 (1402)
ZM1372	ZA1372	55.51 (1410)	57.17 (1452)
ZM1422	ZA1422	57.52 (1461)	59.17 (1503)
ZM1524	ZA1524	61.50 (1562)	63.19 (1605)
ZM1626	ZA1626	65.51 (1664)	67.17 (1706)
ZM1830	ZA1830	73.50 (1867)	75.20 (1910)
ZM2134	ZA2134	85.51 (2172)	87.17 (2214)

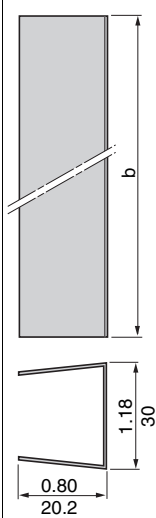
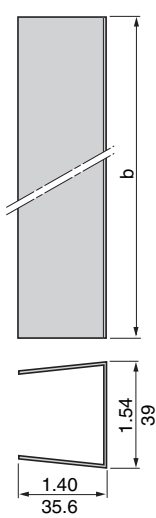
Mounting clamp (quantity 2)



Protective cover

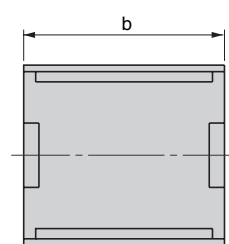
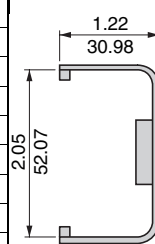
XUS ZWS●●●● for XUL T

XUS ZWSM●●●● for XUL M



XUS	b in. (mm)	XUS	b in. (mm)
ZWS0260	11.54 (293)	ZWSM0150	6.20 (157.48)
ZWS0350	14.96 (380)	ZWSM0300	12.11 (307.59)
ZWS0435	18.39 (467)	ZWSM0450	18.01 (457.45)
ZWS0520	21.81 (554)	ZWSM0600	23.92 (607.57)
ZWS0610	25.24 (641)	ZWSM0750	29.82 (757.43)
ZWS0700	28.66 (728)	ZWSM0900	35.73 (907.57)
ZWS0785	32.09 (815)	ZWSM1045	41.63 (1057.40)
ZWS0870	35.51 (902)	ZWSM1200	47.54 (1207.52)
ZWS0955	38.94 (989)	ZWSM1350	53.44 (1357.38)
ZWS1045	42.32 (1075)	ZWSM1500	59.35 (1507.49)
ZWS1130	45.79 (1163)	ZWSM1650	65.25 (1657.35)
ZWS1215	49.17 (1249)	ZWSM1800	71.16 (1807.46)
ZWS1305	52.60 (1336)		
ZWS1390	56.02 (1423)		
ZWS1570	62.87 (1597)		
ZWS1745	69.72 (1771)		
ZWS1920	76.57 (1945)		
ZWS2095	83.46 (2120)		

XUS ZWSP for XUS LP



XUS	b in. (mm)
ZWSP	2.46 (62.48)

Preventa™ XUSL Light Curtain Accessories Dimensions

Anti-vibration kits (1)

XSZSMK	XSZSMK1	XSZSMK2

(1) The anti-vibration kit consists of 8 shock absorbers, 16 washers and 16 nuts.

Mounting brackets for anti-vibration kit

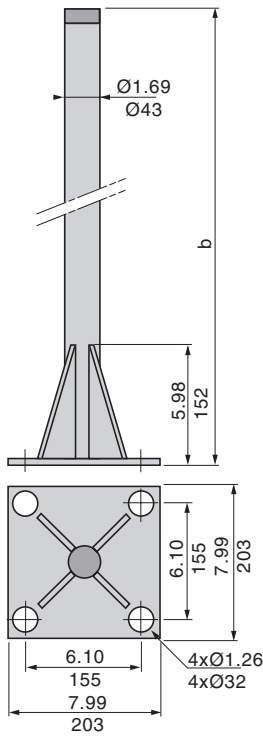
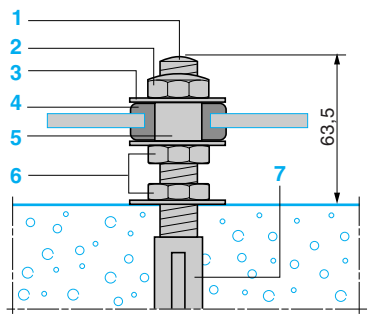
XUSLZ216 for XUSLM	XUSLZ227 for XUSLN

(1) 2 elongated holes $\varnothing 0.20 \times 0.66$ in. ($\varnothing 5.10 \times 16.75$ mm).
 (2) 1 elongated hole $\varnothing 0.27 \times 0.66$ in. ($\varnothing 6.75 \times 16.75$ mm).

(1) 2 elongated holes $\varnothing 0.20 \times 0.66$ in. ($\varnothing 5.10 \times 16.75$ mm).
 (2) 1 elongated hole $\varnothing 0.27 \times 0.66$ in. ($\varnothing 6.75 \times 16.75$ mm).

Preventa™ XUSL Light Curtain Accessories

Dimensions

Mounting base	Floor mounting kit (quantity 4) for mounting base XUSZC●●●●													
XUSZC●●●●	XUSZCB													
	<p>Scale: 2.5</p> 	<ol style="list-style-type: none"> 1 Bolt, 2 1 lock nut, 3 3 washers, 4 Rubber insulator, 5 Spacer (tube), 6 2 standard nuts, 7 Rawplug. 												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">XUS</th> <th style="text-align: left;">b in. (mm)</th> </tr> </thead> <tbody> <tr> <td>XUSZC1200</td> <td>47.24 (1200)</td> </tr> <tr> <td>XUSZC1800</td> <td>70.87 (1800)</td> </tr> <tr> <td>XUSZC2100</td> <td>82.68 (2100)</td> </tr> <tr> <td>XUSZC2400</td> <td>94.49 (2400)</td> </tr> <tr> <td>XUSZC3100</td> <td>122.05 (3100)</td> </tr> </tbody> </table>	XUS	b in. (mm)	XUSZC1200	47.24 (1200)	XUSZC1800	70.87 (1800)	XUSZC2100	82.68 (2100)	XUSZC2400	94.49 (2400)	XUSZC3100	122.05 (3100)		
XUS	b in. (mm)													
XUSZC1200	47.24 (1200)													
XUSZC1800	70.87 (1800)													
XUSZC2100	82.68 (2100)													
XUSZC2400	94.49 (2400)													
XUSZC3100	122.05 (3100)													

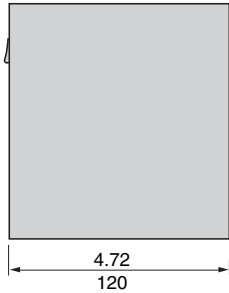
Preventa™ XUSL Light Curtain Accessories Dimensions

Power supplies

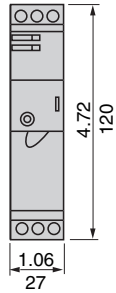
Dimensions

ABL7RP●●●●

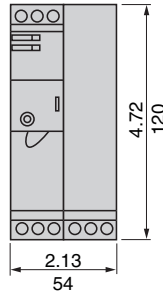
Common side view
35 and 75 mm rail mounting



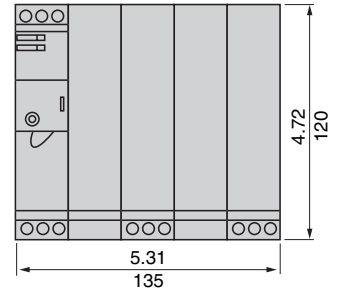
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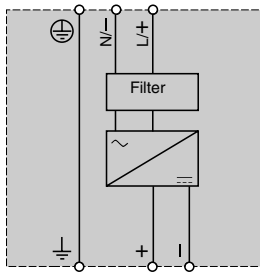


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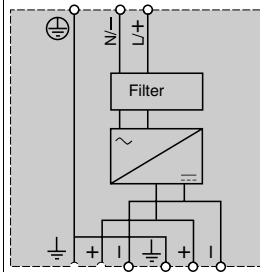


Wiring diagrams

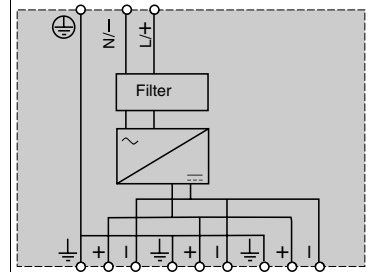
ABL7RP2403



ABL7RP2405



ABL7RP2410



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