

SAFETY LIGHT CURTAINS

FOR MACHINES

Electronic Switches (I) Pvt. Ltd. presents Safety Light Curtains - Affordable safety solutions for your shop floor. Safety is the most integral part of working Environment. For over Three decades our products have ensured safety across millions of workplaces across India. Our products are designed for hands, fingers, body safety used in various machinery such as moulding machines, SPM Machines, Hydraulic & Pneumatic Power Press manufacturers etc.

Safety Light Curtains for Finger, hand and body Safety with Cross-beam features

Long Range Safety Light Curtains for Conveyor Application

Light Curtains for Height Detection application

Diffuse Light Curtains for Area Sensing Application

Retro-Reflective Light Curtains

Light Curtains for Passage Confirmation Application

For Bin Application
Picking Sensor for Pick to
Light Application

FEATURES

- Offers Safety Standard Type 4 when used with Controller.
- Easy to install & can be mounted in any position, Vertical / Horizontal.
- Non-Critical alignment between Emitter & Receiver.
- Blanking/By-Passing individual channel is provided.
- System operation is unaffected by mains power fluctuations.
- Machine OFF if screen is too dirty or oily.
- Barrier operates on cyclic scanning photo-electric infra-red techniques.
- Various barrier heights are available for covering 90 mm to 1890 mm.
- Higher covering heights available upon request.
- Use of solid state components & special construction technique ensures that barrier is not affected by normal vibrations & shocks.
- Sensor connections are provided through plug in connectors.
- Self Checking Circuitry with two outputs continuously monitors failure of any of the beam in the system and stop the machine if failure is detected.
- LED Indications are provided for status indication of each channel.
- LED indications are also provided for each output.
- Choice for suitable Control Unit available as per different working conditions.
- Flexible fixing arrangements to suit individual requirement.
- Increases productivity while maintaining required safety.

SENSOR SPECIFICATIONS

Power Supply 12 - 24 Volts DC

Supply Protection Reverse Polarity Protected

Output Duel Output: PNP or NPN / NO or NC

Through LEDs **Output Indications**

Channel Indication LED indication for each channel

Response Time On to Off: 10 - 15 m sec. Off to On: 50 - 100 m sec.

Restart **Automatic**

No of beams 6, 8, 10, 12,16, 20, 24, 32, 40, 48, 56, 64 nos. Beam By Pass Provided in hand / body protection models

Protected Heights 90 - 1890 mm

Pitch offered 11 - 20 - 30 - 40 - 50 - 90 mm

Adjustable Range Up to 3 meters (Higher range up to 20 meters available)

Electrical Connections Plug in Connector for Emitter & Receiver Standard Cable length 5 meters for emitter, 3 meters for receiver

Operating Temperature Up to 55 Degrees centigrade

Fastening Modes Slide Slot on the back with adjustable height

Cross Section 36 x 42 mm / 36 x 35mm

Directly work with PLCs / Controllers Applicable to Suitable for Machines with quick emergency stop **Protections**

Output short circuit protected.

Vibration Resistance Amplitude: 0.75 mm (p) Freq: 10 - 55 Hzs

Rate: 1 Octave / min

Operating ambient Light: 500 Lux (max.) when source is places opposite to receiver

> 3000 lux when source placed at an angle of 20 degrees

CONTROLLERS



Control Unit: Wall Mount Size: 235 x 120 x 50 mm

Model: 2CW



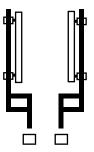
Control Unit: Panel Mount Size: 96 x 96 x 120 mm

Model: 2CP



Control Unit: DIN Rail Size: 100 x 70 x 114 mm

Model: 2CD



Series: LC / LX / FX / PX

Mounting Stand Model: MS

CLAMPS



Vibration Dampers Model: VD



S-TYPE



S-TYPE



L-TYPE



L-TYPE

SAFETY LIGHT CURTAINS

Series : LC / LX

CE

TYPE-4

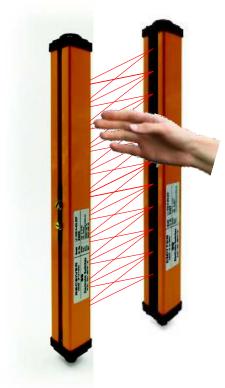
IEC Standard: IEC 61496-1-2

HAND Protection: Models with 2 Outputs

Supply: 12 - 24 Volts DC

Covered Range: LC: 300 mm - 3/5/10/15/20 mtr LED Indication and By-Pass for each beam

Output: PNP / NPN - NO / NC LX: 500 mm - 3/5/10/15/20 mtr LX (Pitch50):1- 3/5/10/15/20 mtr

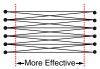


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LC MODELS

Type: Parallel Beam No of Beams : 6 nos Active Beams: 6 nos Min.Range: 300 mm

LX MODELS



Type: Cross Beam No of Beams: 6 nos Active Beams: 16 nos Min.Range: 500 mm

Models Available in:

CE - Type 4 : LC & LX Series with 2OP2 OP (Two Outputs) All Series

- 1 OP (One Output) All Series

| PROTECTED HEIGHT | PARALLEL | BEAM | CROSS E | EAM | PITCH | OVERALL HEIGHT |
|------------------|----------|------|---------|------|-------|----------------|
| mm | Models | | Models | Beam | mm | mm |
| 150 | LC 0630 | 6 | LX 0630 | 16 | 30 | 245 |
| 180 | LC 1020 | 10 | LX 1020 | 28 | 20 | 295 |
| 200 | LC 0640 | 6 | LX 0640 | 16 | 40 | 295 |
| 210 | LC 0830 | 8 | LX 0830 | 22 | 30 | 295 |
| 250 | LC 0650 | 6 | LX 0650 | 16 | 50 | 345 |
| 270 | LC 1030 | 10 | LX 1030 | 28 | 30 | 365 |
| 280 | LC 0840 | 8 | LX 0840 | 22 | 40 | 370 |
| 300 | LC 1620 | 16 | LX 1620 | 46 | 20 | 405 |
| 330 | LC 1230 | 12 | LX 1230 | 34 | 30 | 410 |
| 350 | LC 0850 | 8 | LX 0850 | 22 | 50 | 440 |
| 360 | LC 1040 | 10 | LX 1040 | 28 | 40 | 455 |
| 380 | LC 2020 | 20 | LX 2020 | 58 | 20 | 485 |
| 440 | LC 1240 | 12 | LX 1240 | 34 | 40 | 545 |
| 450 | LC 1050 | 10 | LX 1050 | 28 | 50 | 545 |
| 450 | LC 1630 | 16 | LX 1630 | 46 | 30 | 530 |
| 460 | LC 2420 | 20 | LX 2420 | 70 | 20 | 570 |
| 500 | LC 2620 | 26 | LX 2620 | 76 | 20 | 615 |
| 570 | LC 2030 | 20 | LX 2030 | 58 | 30 | 650 |
| 600 | LC 1640 | 16 | LX 1640 | 46 | 40 | 685 |
| 620 | LC 3220 | 32 | LX 3220 | 94 | 20 | 740 |
| 690 | LC 2430 | 24 | LX 2430 | 70 | 30 | 770 |
| 750 | LC 1650 | 16 | LX 1650 | 46 | 50 | 840 |
| 760 | LC 2040 | 20 | LX 2040 | 58 | 40 | 855 |
| 780 | LC 4020 | 40 | LX 4020 | 118 | 20 | 885 |
| 810 | LC 2830 | 28 | LX 2830 | 82 | 30 | 890 |
| 920 | LC 2440 | 24 | LX 2440 | 70 | 40 | 1010 |
| 930 | LC 3230 | 32 | LX 3230 | 94 | 30 | 1010 |
| 940 | LC 4820 | 48 | LX 4820 | 142 | 20 | 1050 |
| 1050 | LC 3630 | 36 | LX 3630 | 106 | 30 | 1130 |
| 1080 | LC 2840 | 28 | LX 2840 | 82 | 40 | 1170 |
| 1100 | LC 5620 | 56 | LX 5620 | 166 | 20 | 1205 |
| 1150 | LC 2450 | 50 | LX 2450 | 70 | 50 | 1240 |
| 1170 | LC 4030 | 40 | LX 4030 | 118 | 30 | 1255 |
| 1240 | LC 3240 | 32 | LX 3240 | 94 | 40 | 1335 |
| 1290 | LC 4430 | 44 | LX 4430 | 130 | 30 | 1385 |
| 1400 | LC 3640 | 36 | LX 3640 | 106 | 40 | 1500 |
| 1410 | LC 4830 | 48 | LX 4830 | 142 | 30 | 1490 |
| 1530 | LC 5230 | 52 | LX 5230 | 154 | 30 | 1620 |
| 1550 | LC 3250 | 32 | LX 3250 | 94 | 50 | 1650 |
| 1560 | LC 4040 | 40 | LX 4040 | 118 | 40 | 1665 |
| 1650 | LC 5630 | 56 | LX 5630 | 166 | 30 | 1730 |
| 1720 | LC 4440 | 44 | LX 4440 | 130 | 40 | 1830 |
| 1880 | LC 4840 | 48 | LX 4840 | 142 | 40 | 1970 |
| 1890 | LC 6430 | 64 | LX 6430 | 190 | 30 | 1970 |
| 2040 | LC 5240 | 52 | LX 5240 | 154 | 40 | 2160 |

SLEEK SAFETY LIGHT CURTAINS



HAND Protection: Models with 2 Outputs

Supply: 12 - 24 Volts DC, Covered Range: 300 - 3000 mm,

Dual PNP NC Output, LED Indication for each channel, By-Pass facility for each beam,

Series: SLC / FX / RLC

Cross Section: 27.5 x 26 mm, Easy Mounting. Control Unit can be used for

Relay output & 230V AC power supply.

| PROTECTED HEIGHT | PARALLEL B | EAM | CROSS BE | CROSS BEAM | | OVERALL HEIGHT |
|------------------|----------------|------|----------------|------------|----|----------------|
| mm | Models | Beam | Models | Beam | mm | mm |
| 280 | SLC 0840 - 20P | 8 | SLX 0840 - 20P | 22 | 40 | 385 |
| 350 | SLC 0850 - 20P | 8 | SLX 0850 - 20P | 22 | 50 | 455 |
| 440 | SLC 1240- 20P | 12 | SLX 1240- 20P | 34 | 40 | 555 |
| 550 | SLC 1250 - 20P | 12 | SLX 1250 - 20P | 34 | 50 | 655 |
| 600 | SLC 1640 - 20P | 16 | SLX 1640 - 20P | 46 | 40 | 705 |
| 750 | SLC 1650 - 20P | 16 | SLX 1650 - 20P | 46 | 50 | 855 |
| 760 | SLC 2040 - 20P | 20 | SLX 2040 - 20P | 58 | 40 | 865 |
| 920 | SLC 2440 - 20P | 24 | SLX 2440 - 20P | 70 | 40 | 1025 |
| 950 | SLC 2050 - 20P | 20 | SLX 2050 - 20P | 58 | 50 | 1050 |
| 1080 | SLC 2840 - 20P | 28 | SLX 2840 - 20P | 82 | 40 | 1195 |
| 1150 | SLC 2450 - 20P | 24 | SLX 2450 - 20P | 70 | 50 | 1255 |
| 1240 | SLC 3240 - 20P | 32 | SLX 3240 - 20P | 94 | 40 | 1365 |
| 1350 | SLC 2850 - 20P | 28 | SLX 2850 - 20P | 82 | 50 | 1455 |
| 1550 | SLC 3250 - 20P | 32 | SLX 3250 - 20P | 94 | 50 | 1655 |
| | | | | | | |

FINGER PROTECTION: MODELS WITH 2 OUTPUTS



Supply: 12 - 24 Volts DC, Covered Range: 150 - 3000mm LED Indication for Output, Output: PNP / NPN - NO / NC

| PROTECTED HEIGHT | PARALLEL BEAM | CROSS | BEAM | PITCH OVER | RALL HEIGHT |
|------------------|---------------|---------|------|------------|-------------|
| mm | | Models | Beam | mm | mm |
| 100 | NA | FX 1011 | 28 | 11 | 205 |
| 165 | NA | FX 1611 | 46 | 11 | 275 |
| 245 | NA | FX 2411 | 70 | 11 | 370 |
| 340 | NA | FX 3211 | 94 | 11 | 455 |
| 430 | NA | FX 4011 | 118 | 11 | 545 |
| 515 | NA | FX 4811 | 142 | 11 | 630 |
| 605 | NA | FX 5611 | 166 | 11 | 720 |
| 695 | NA | FX 6411 | 190 | 11 | 805 |
| 781 | NA | FX 7211 | 213 | 11 | 905 |

RETRO-REFLECTIVE AREA SENSOR

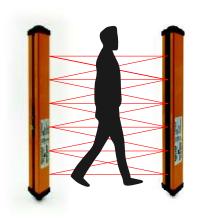


Supply: 12 -24 Volts DC, Covered Range: Up to 500 mm

PNP NC Output, LED indication for output

| PROTECTED HEIGHT | PARALLEL | . BEAM | PITCH | OVERALL HEIGHT |
|------------------|----------|--------|-------|----------------|
| mm | MODELS | BEAM | mm | mm |
| 100 | RLC 0620 | 6 | 20 | 185 |

BODY PROTECTION AREA SENSOR



Supply: 12 -24 Volts DC, Covered Range: 500 - 3000 mm,

LED indication and Beam By-Pass for each channel, 10P / 20P Output

Series: LC / LX / DA

Output: PNP / NPN - NO / NC

| ROTECTED HEIGHT | PARALLEL BEAM | | CROSS BEAM | | PITCH OVER | ALL HEIGHT |
|-----------------|---------------|------|------------|------|------------|------------|
| mm | Models | Beam | Models | Beam | mm | mm |
| 270 | LC 0490 | 4 | LX 0490 | 10 | 90 | 405 |
| 630 | LC 0890 | 8 | LX 0890 | 22 | 90 | 765 |
| 990 | LC 1290 | 12 | LX 1290 | 34 | 90 | 1125 |
| 1350 | LC 1690 | 16 | LX 1690 | 46 | 90 | 1485 |
| 1710 | LC 2090 | 20 | LX 2090 | 58 | 90 | 1845 |
| 2070 | LC 2490 | 24 | LX 2490 | 70 | 90 | 2205 |
| 2430 | LC 2890 | 28 | LX 2890 | 82 | 90 | 2555 |

DIFFUSE AREA SENSOR





| PROTECTED HEIGHT | DIFFUSED | DIFFUSED SCAN | | OVERALL HEIGHT |
|------------------|----------|---------------|----|----------------|
| mm | Models | Beam | mm | mm |
| 100 | DA 0620 | 6 | 20 | 185 |
| 280 | DA 0840 | 8 | 40 | 370 |
| 350 | DA 0850 | 8 | 50 | 440 |
| 270 | DA 1030 | 10 | 30 | 365 |
| 440 | DA 1240 | 12 | 40 | 530 |
| 600 | DA 1640 | 16 | 40 | 685 |
| 750 | DA 1650 | 16 | 50 | 840 |
| 760 | DA 2040 | 20 | 40 | 855 |
| 920 | DA 2440 | 24 | 40 | 1010 |
| 1080 | DA 2840 | 28 | 40 | 1170 |
| 1150 | DA 2450 | 24 | 50 | 1240 |
| 1240 | DA 3240 | 32 | 40 | 1335 |
| 1550 | DA 3250 | 32 | 50 | 1640 |

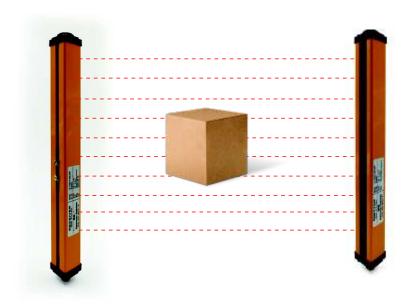
HAND PROTECTION AREA SENSOR



Supply: 12 -24 Volts DC, Covered Range: Up to 500 mm PNP / NPN - NO / NC Output, LED indication for output

| PROTECTED HEIGHT | PARALLEL BE | EAM | CROSS BEA | \M | PITCH | OVERALL HEIGHT |
|------------------|---------------|------|---------------|------|-------|----------------|
| mm | Models | Beam | Models | Beam | mm | mm |
| 90 | LC 0430 - 10P | 4 | LX 0430 - 10P | 10 | 30 | 180 |
| 100 | LC 0620 - 10P | 6 | LX 0620 - 10P | 16 | 20 | 185 |
| 120 | LC 0440 - 10P | 4 | LX 0440 - 10P | 10 | 40 | 210 |
| 150 | LC 0450 - 10P | 4 | LX 0450 - 10P | 10 | 50 | 240 |

HEIGHT PROFILE SENSOR





Series: HS/LC

Supply: 12-24 Volts DC, Covered Range: 500 - 3000 mm,

Output : BCD

LED indication and Beam By-Pass for each channel.

| PROTECTED HEIGHT | PARALLE | PARALLEL BEAM | | OVERALL HEIGHT |
|------------------|---------|---------------|----|----------------|
| mm | Models | Beam | mm | mm |
| 375 | HS 0675 | 6 | 75 | 560 |
| 375 | HS 1625 | 16 | 25 | 560 |
| 750 | HS 3125 | 31 | 25 | 1060 |

LONG RANGE LIGHT CURTAIN

Supply: 12 -24 Volts DC, Covered Range: 3 / 10 / 15 / 20 / 30 / 40 mtr LED indication for each channel, Output: PNP / NPN - NO / NC,



| PROTECTED HEIGHT | PARALLE | PARALLEL BEAM CROSS BEAM | | BEAM | PITCH | OVERALL HEIGHT |
|------------------|---------|--------------------------|---------|------|-------|----------------|
| mm | Models | Beam | Models | Beam | mm | mm |
| 270 | LC 0490 | 4 | LX 0490 | 10 | 90 | 405 |
| 630 | LC 0890 | 8 | LX 0890 | 22 | 90 | 765 |
| 990 | LC 1290 | 12 | LX 1290 | 34 | 90 | 1125 |
| 1350 | LC 1690 | 16 | LX 1690 | 46 | 90 | 1485 |
| 1710 | LC 2090 | 20 | LX 2090 | 58 | 90 | 1845 |
| 2070 | LC 2490 | 24 | LX 2490 | 70 | 90 | 2205 |
| 2250 | LC 2690 | 26 | LX 2690 | 76 | 90 | 2385 |
| 2430 | LC 2890 | 28 | LX 2890 | 82 | 90 | 2555 |
| 2610 | LC 3090 | 30 | LX 3090 | 88 | 90 | 2715 |
| 2790 | LC 3290 | 32 | LX 3290 | 94 | 90 | 2925 |
| 3150 | LC 3690 | 36 | LX 3690 | 106 | 90 | 3285 |

HOW TO ORDER

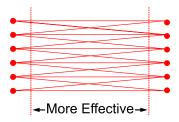
| Model | LC - | 1030 | - 4 | - | 03 | - 2OP | - | D |
|---------------------------------------|--|----------------------------------|----------------------------------|--------------------|----------------|-------------------------|---|----------|
| | LC LX FX | MODELS | 4 3 | | 03 05 | CE TYPE 4 2OP 1OP | | D CW |
| | SLC SLX DA RLC | | 3 2 1 | | 10 15 20 | 20P 10P | | CP CD |
| SLC/ SLX LC LX FX DA/ RLC | SLEEK PARALLEL CROSS CROSS DIFFUSE/RETRO | | | | | | | |
| MODELS | SAFETY LIGHT CUR | RTAIN | | | | | | |
| 4 3 2 1 | OUTPUT - PNP - NO OUTPUT - PNP - NO OUTPUT - NPN - NO OUTPUT - NPN - NO | | | | | | | |
| 03 05 10 15 20 | RANGE - 03 METER RANGE - 05 METER RANGE - 10 METER RANGE - 15 METER RANGE - 20 METER | RS RS RS | | | | | | |
| CE TYPE 4 2 OP 1 OP | OUTPUT - 2 OUTPL OUTPUT - 2 OUTPL OUTPUT - 1 OUTPL | ITS | | | | | | |
| D CW CP CD | DC TYPE - BUILT-IN CONTROL UNIT - W CONTROL UNIT - P CONTROL UNIT - D | ALL MOUNT - 22 ANEL MOUNT - 2 | 20 VAC - RELAY 220 VAC - RELA | OUTPUT Y OUTPUT | | | | |

LC MODELS



Type: Parallel Beam | No of Beams: 6 nos Active Beams: 6 nos | Min.Range: 300 mm

LX MODELS



Type: Cross Beam | No of Beams: 6 nos Active Beams:16 nos | Min.Range: 500 mm

PICK TO LIGHT Model: PAS 0523



Electronic Switches offers Pick to Light sensor for assembly or sub-assembly operation. These devices together form a system that helps Industrial automation manufacturer to reduce risk of errors in assembly process, boosting product quality and improving time required for production.

- 16mm Slim ABS plastic enclosure / Fast Response
- Easy mounting with flat base / LED Indication at side & at front
- PICK LED Green LED / Sense LED Red LED
- Range upto 1.5 mtr
- Microcontroller based IR Technology
- With M 12 Male connector at end of 6 inch cable / 2 mtr cable
- Elimination of Synch wire makes installation easy



AREA SENSORS - Model: AS 1606 & AS 0523



AS Series Area Sensors feature a flat and compact body size made of ABS Plastic. The sensors use high performance.

| MODELS | AS 1606 | AS 0525 |
|------------------|-----------|-----------|
| No. of Beams | 16 | 5 |
| Pitch | 6.2mm | 23mm |
| Protected Height | 92mm | 92mm |
| Overall Height | 127mm | 127mm |
| Sensing Range | 1.5 meter | 1.5 meter |

PICK TO LIGHT SYSTEM



Electronic Switches offers PICK TO LIGHT (PTL) system for various Assembly Line operations, Warehousing Solutions, or Large Factory Store operations. System operates with micro-controller based state of arts devices to ensure smooth and error free operations. Pick To Light devices are used with Computer based System, PLC or dedicated custom build controller.

Pick to Light (PTL) devices uses standard RS 485 MODBUS RTU protocol to communicate with master controller (Computer / PLC /Dedicated Controller) Normally input devices such as Bar code reader are connected to Master Controller. Based on the input received to the Master, it will switch ON light indication and display the quantity of item to be picked. This will indicate operator to pick material from that particular bin.

PAPER CUTTING MACHINE CONTROLLER



Model: PCM 03 / PCM 04: For 3 / 4 beams

Power Supply: 220 VAC or 110 VAC , Output: Relay Contacts @ 2 A (max), Controller: Metal Enclosure, Sensors: 18D x 35L (mm) , Non critical alignment

Range: 3 Meters (max), LED indication for each channel, By Pass switches for each beam, Total Guard By-Pass for unit

TWO HAND SAFETY CONTROLLER





Supply: 220 Volts AC, Output: Relay Contacts, Housing: Wall Mount or DIN Rail Used for Safety of Operator working on Machines, Also used on Mechanical Rolling Key Power Presses

PRESSURE SENSITIVE SAFETY MATS



SM MODELS



Max Contact Rating :200 mA
Max Switching Voltage:10-30 VDC

Cable :Pre Wired- 1 meter
Maximum Weight :100 KG

Thickness :10mm
Dimensions :As per Chart
Contact :Normally Open Type
Connections :In series with Load

CSM MODELS



Rubber Mat : Anti-Skid Coined
Max Contact Rating : 200 mA
Max Switching Voltage: 10-30 VDC
Cable : 1 meter
Maximum Weight : 100 KG

Thickness : 15mm
Dimensions : As per Chart
Contact : Normally Open
Connections : In series with Load

INTELLIGENT CONTROLLER FOR SERIES CONNECTION



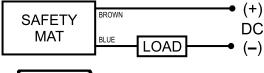
This Controller is for Series Models

Power - 230 V AC | Panel Mount Controller | Display : ½ Inch Seven segment display Dimensions - 48 x 96 x 110 mm | Display will indicate which mat has been pressed Advance Teach Facility is given for mat connection | Input - From safety mat in series connection Output 1 - Relay1 NC-C-NO This output will be activated when any mat is pressed.

Output 2 - Relay 2 NC-C-NO This output will be ON if any of the interconnecting cable gets open .



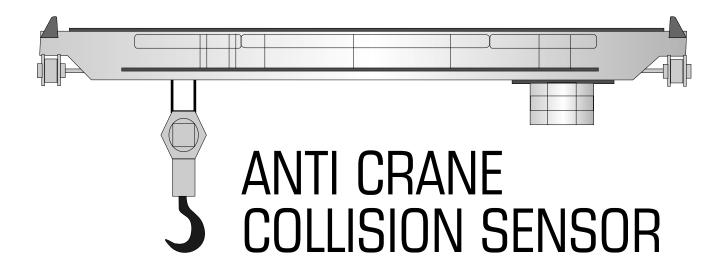
WIRING DIAGRAM:





MODEL SELECTION CHART

| Sr. No. | Model | Length (L) | Width (W) | Height (H) |
|---------|----------------|---------------|--------------|---------------|
| 1 | SM 520 X 390 | 520 | 390 | 10 |
| 2 | SM 520 X 780 | 520 | 780 | 10 |
| 3 | SM 750 X 750 | 750 | 750 | 10 |
| 4 | SM 1000 X 500 | 1000 | 500 | 10 |
| 5 | CSM 520 X 390 | 520 | 390 | 15 |
| 6 | CSM 520 X 780 | 520 | 780 | 15 |
| 7 | CSM 750 X 750 | 750 | 750 | 15 |
| 8 | CSM 1000 X 500 | 1000 | 500 | 15 |



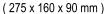
Electronic Switches offers Anti Crane Collision Switch for two over head cranes on the same rail. These units are installed on two cranes on the same rail approaching each other. With these units, the two cranes on the same rail will never collide with each other & thus the damage caused due to collision can be avoided. The minimum distance in between two cranes can be set and will always be maintained. The cranes will be able to move away from each other but not closer.

DUST-PROOF HOUSING (DP)

Model : ACC 03 Model : ACC 10 / 15 Model : ACC 102 (2 Set Points)

Model: ACC 102 LS







of contactor in respective direction. Alignment of Sensor

and Reflector is very easy.



output is interlocked with coil of

contactor in respective direction.



| SPECIFICATIONS | | | |
|-----------------------|--|---|--|
| Model : | Model: ACC 03 / 10 / 15 / 20 | Model : ACC 102 : 2 set Points | Model: ACC 102 LS: 2 set Points |
| Range: | 3 / 10 / 15 / 20 Meters | 8 and 10 Meters | 10 Meters |
| Supply Voltage : | 110 V AC or 220 V AC (User Selectable) | 110 V AC or 220 V AC (User Selectable) | 110V AC or 220 Volts (User Selectable) |
| Supply type : | Fixed supply voltage | Fixed supply voltage | Fixed supply voltage |
| Laser Alignment tool: | For Alignment of sensor and reflector | For Alignment of sensor and reflector | Laser Distance Sensor |
| No of set points: | Single Set Point | Two Set Points independently adjustable | Two Set Point |
| No of output / Relay: | Single Output / Single Relay | Two Outputs / Two Relays | Two Output / Two Relay |
| Output : | Potential Free Relay Contacts | Potential Free Relay Contacts | Potential Free Relay Contacts |
| Contacts Rating: | 3 Amps (max.) at 220 V AC | 3 Amps (max.) at 220 V AC | 3 Amps (max.) at 220 V AC |
| Range Adjustment: | Provided (up to 50 % approx.) | Provided (up to 50 % approx.) | Provided |
| Adjustment through: | POT | POT | Distance setting - TEACH type |
| Reflector size : | 130 x 75 mm | 130 x 75 mm | Without Reflector |
| Dimensions : | 180 mm X 145 mm X 55 mm | 180 mm X 145 mm X 55 mm | 140 x 150 x 110mm |
| Housing : | Metal Housing | Metal Housing | Metal Housing |
| Supply Available: | 24V DC / 24V AC / 48V AC | 24V DC / 24V AC / 48V AC | 24V DC / 24V AC / 48V AC |
| Working Principle: | This is used for Two overhead cranes on the same rail. This model is suitable for 3 meters or 10 meters range. Output is offered through relay contacts which can be interlocked with coil | This is used for Two overhead cranes on the same rail. This model is suitable for 10 meters. There are two outputs. One output can be used for audio alarm for operator and another | It displays measurement in centimeter. unit has TEACH type facility for Range adjustment, No reflector requirement. Unit is with 2 set point and 2 relay output. Display will show actual distance |