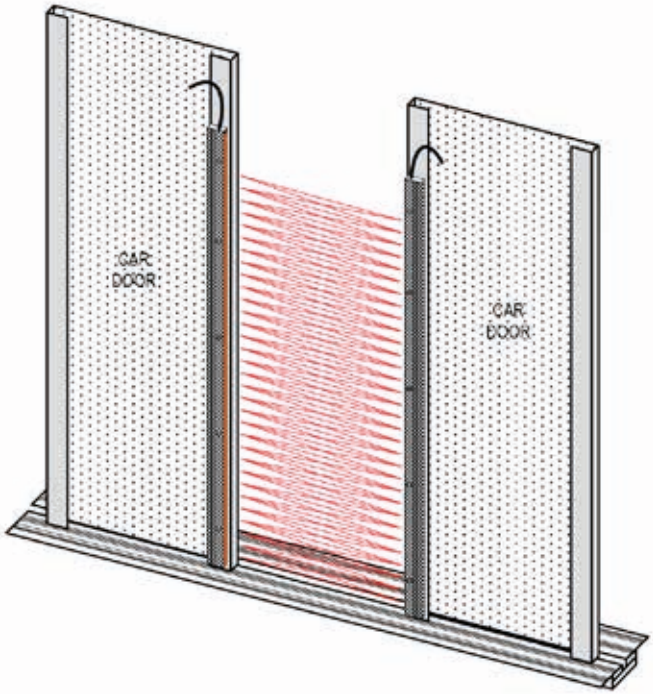
LIFT DOOR CURTAIN
User Manual

LDCA32-AC3-DC24A
LDCA32-AC3-AC220
LDCB36-AC3-DC24A **(EN 81-20)**
LDCB36-AC3-AC220 **(EN 81-20)**



Manufactured under ISO 9001

Attention

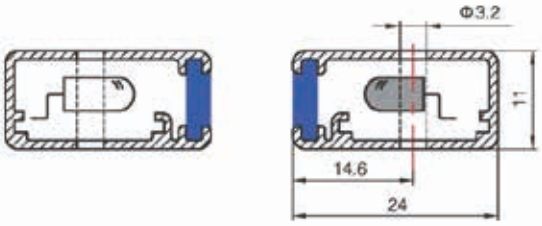
Please read this manual carefully before installation and keep it for future reference

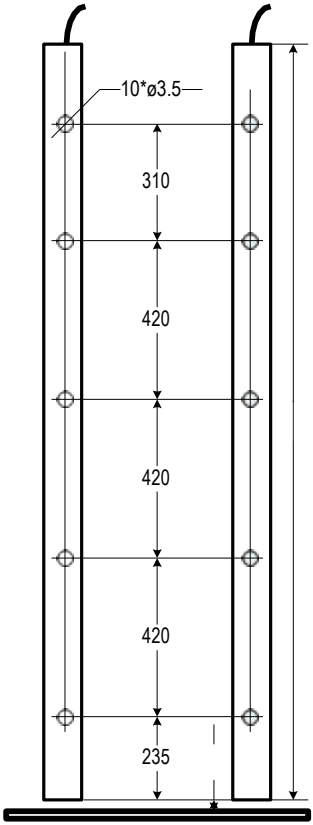
009.UM.LDC-IT-S
REV. 6 06/2022

Engineered in Italy by SMS

TECHNICAL FEATURES	LDCA32 (EN81-70 compliance)	LDCB36 (EN81-20 compliance)
Number of infrared Diodes	32	36
Response Time	61 ms relay output (1A 24Vdc DC1 - 1A 120Vac AC1)	65 ms relay output (1A 24Vdc DC1 - 1A 120Vac AC1)
Beam Number	154-94	106-174
Infrared Diodes range (Max)	58.8mm	47.5mm
Detecting Height	≤ 20 - ≥1841mm	≤ 20 - ≥1650mm
Tollerance	Up/down: ± 15mm/7° - Back/forth: ± 3mm/5°	
Detecting Range	0-4 m	
Operating temperature	-20°C - +65°C	
Installation	dynamic or static	
RELIABILITY		
Light immunity	>100000Lux.	
Protection Level	IP54	
Vibration	Vibration 20 to 500Hz 4 hrs per X-Y-Z axis, vibration sinusoidal 30Hz rms 30mins per X-Y-Z axis	
Enviroment test	GB/T2423.1-GB/T2423.4	
EMC	EN12015-EN12016	

PROFILE A





1) Securely fix the transmitter and receiver to the car/car doors through the fixing holes with the bolts provided

2) Ensure both receiver and transmitter at the same level

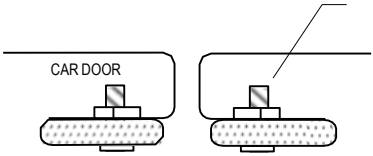
3) Fix the power controller on the car top
Ensure the steel cover is grounded

4) Power supply connected to INPUT terminal through the right hand hole Output signals connected to OUTPUT terminals

5) Connect cables from receiver and transmitter to power unit
Ensure both cables can be easily and smoothly bent.
Lock tightly both sides of the intermediate connectors

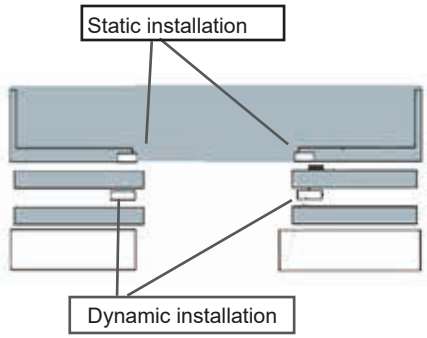
6) Switch on the power Green or Yellow LED in the receiver is lit. Red LED in the receiver is lit when light beams are interrupted

Mounting hole position

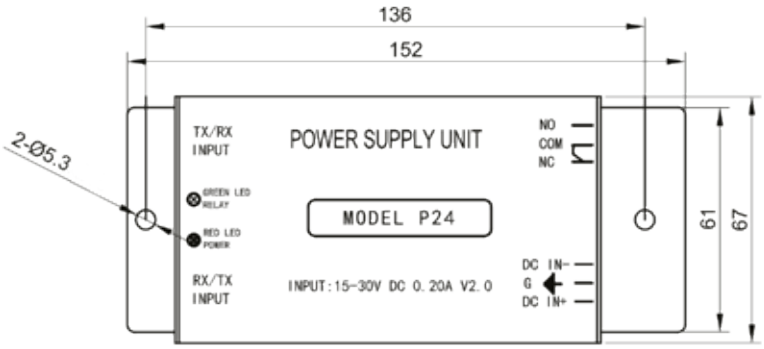


Mounting position

CURTAIN POSITIONING EXAMPLE

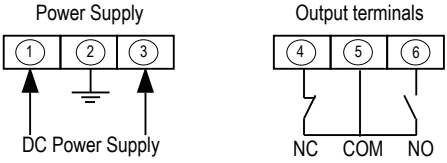


LDC **A32** POWER UNITS



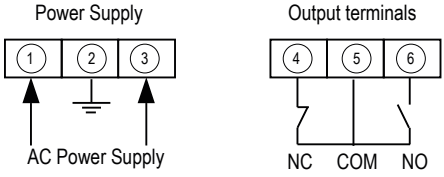
24V DC Power Unit

P24N	DC18 ÷ 30V,3W

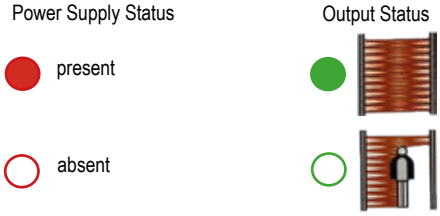


220 AC Power Unit

P220N	AC185 ÷295V,50/60 Hz,3W



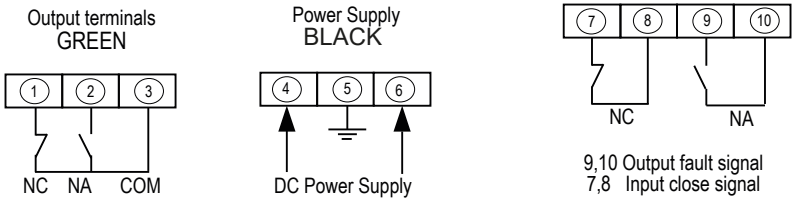
LED interpretation



LDC **B36** POWER UNITS

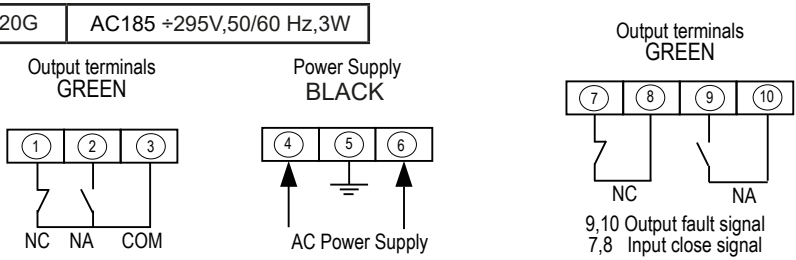
24V DC Power Unit

P24G	DC18 ÷ 30V,3W

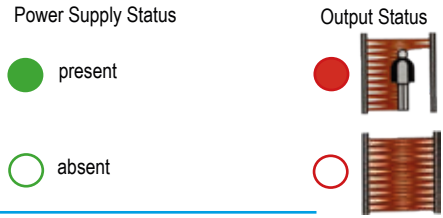


220 AC Power Unit

P220G	AC185 ÷295V,50/60 Hz,3W



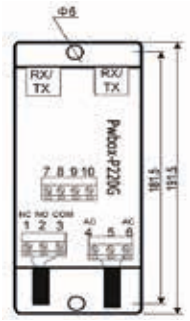
LED interpretation



Buzzer Functions B36

SW1	Buzzer functions	ON	Buzzer ON	OFF	Buzzer OFF
SW2	Buzzer delay	ON	Delay 30s	OFF	Delay 15s

AUTO-TEST

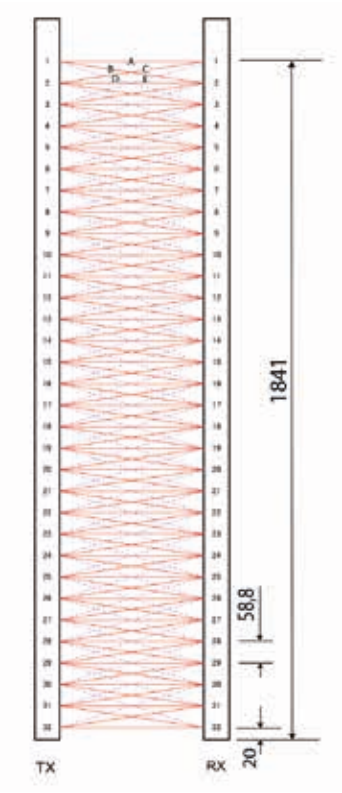


- **AUTO-TEST signal:** On terminals 7/8 is present one N.C. contact. When the door detector detects an object with door cosed, the auto-test system opens the 7/8 contact to report the fault.

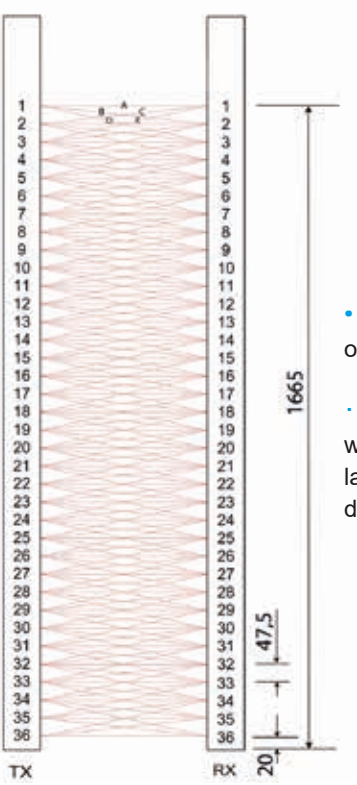
- **Door close signal input:** Connect the door close signal contact in terminals 9/10. This signal is necessary for the AUTO-TEST function.

EXAMPLE OF BEAM DESIGN

32 DIODES



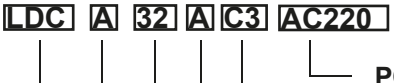
36 DIODES
EN 81-20



- It can check objects ≥ 50mm.
- It might not work during the last 20mm while door is closing.

	32 DIODES	36 DIODES (EN81-20)
BEAM	A Type horizontal 32 beams B Type declivity 31 beams C Type acclivity 31 beams D Type 30 beams E Type 30 beams	A Type horizontal 36 beams B Type declivity 35 beams C Type acclivity 35 beams D Type 34 beams E Type 34 beams
TOTALE	Totale 154 beams	Totale 174 beams

PART NUMBER FORMAT



POWER AND SYSTEM OUTPUT OPTIONS:
-AC220: AC185 ÷295V,50/60 Hz,3W,
relay output 1NO/1NC
-DC24A: DC18 ÷ 30V,3W,
relay output 1NO/1NC
(* Other on request)

OPENING TYPE:
-C3= central
(* Other on request)

PROFILE:
-A
(* Other on request)

DIODES NUMBER:
-32
-36
(* Other on request)

LIFT DOOR CURTAIN TYPE:
-Model A: Max 32 diodes
-Model B: Max 36 diodes

LIFT DOOR CURTAIN

Packing List

Power Unit	q.ty 1	Receiver	q.ty 1
Cable (3.5m)	q.ty 2	Operation Manual	q.ty 1
Transmitter	q.ty 1	Mounting Accessories	q.ty 1

(*) Contents may differ according to customers' special requirements

Trouble shooting

1) No LED in the receiver is lit
   - *Cable is broken or not connected*

2) Both Green & Red LED are lit also with interruption between RX & TX
   - *Plastic filter is too dirty (clean it, see note)*
   - *Other infrared equipment nearby*
   - *Ambient light is stronger than allowed*
   - *System fault*

3) Output LED turn off with interruption between RX & TX, but car door doesn't open
   - *Wrong connection with NC/NO contacts*
   - *Output relay is broken*
   - *Check wires of output relay*

4) Imput LED in power unit is not lit
   - *Power supply wires broken or not connected*
   - *Wrong connection*
   - *Terminal connection is too loose*
   - *Power unit is broken, needs to be replaced*

Note

Keep connection cables away from high voltage and/or high current wires. Keep connection cables away from door motor and door drive.

Avoid sunlight go directly into the receiver RX.
Avoid other Infrared light sources go into the receiver RX.

Clean the front surface with a soft towel. It could be dry or slightly moist, but not wet.

Do not scratch the front surface to damage the infrared light lens.
Do not bend or twist the edges.

Manuale d'uso: Scannerizza il QR
User manual: Scan QR code

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