



RELIANCE Sign  
Guidance Sign and Gate Sign

## Spare Parts

SP-4007, Rev. 2.0, 2020/07/02

  
**ADB  
SAFEGATE**



## A.0 Disclaimer / Standard Warranty

### CE certification

The equipment listed as CE certified means that the product complies with the essential requirements concerning safety and hygiene. The European directives that have been taken into consideration in the design are available on written request to ADB SAFEGATE.

### ETL certification

The equipment listed as ETL certified means that the product complies with the essential requirements concerning safety and FAA Airfield regulations. The FAA directives that have been taken into consideration in the design are available on written request to ADB SAFEGATE.

### All Products Guarantee

ADB SAFEGATE will correct by repair or replacement per the applicable guarantee above, at its option, equipment or parts which fail because of mechanical, electrical or physical defects, provided that the goods have been properly handled and stored prior to installation, properly installed and properly operated after installation, and provided further that Buyer gives ADB SAFEGATE written notice of such defects after delivery of the goods to Buyer. Refer to the Safety section for more information on Material Handling Precautions and Storage precautions that must be followed.

ADB SAFEGATE reserves the right to examine goods upon which a claim is made. Said goods must be presented in the same condition as when the defect therein was discovered. ADB SAFEGATE further reserves the right to require the return of such goods to establish any claim.

ADB SAFEGATE's obligation under this guarantee is limited to making repair or replacement within a reasonable time after receipt of such written notice and does not include any other costs such as the cost of removal of defective part, installation of repaired product, labor or consequential damages of any kind, the exclusive remedy being to require such new parts to be furnished.

ADB SAFEGATE's liability under no circumstances will exceed the contract price of goods claimed to be defective. Any returns under this guarantee are to be on a transportation charges prepaid basis. For products not manufactured by, but sold by ADB SAFEGATE, warranty is limited to that extended by the original manufacturer. This is ADB SAFEGATE's sole guarantee and warranty with respect to the goods; there are no express warranties or warranties of fitness for any particular purpose or any implied warranties of fitness for any particular purpose or any implied warranties other than those made expressly herein. All such warranties being expressly disclaimed.

### Standard Products Guarantee

Products of ADB SAFEGATE manufacture are guaranteed against mechanical, electrical, and physical defects (excluding lamps) which may occur during proper and normal use for a period of two years from the date of ex-works delivery, and are guaranteed to be merchantable and fit for the ordinary purposes for which such products are made.



#### Note

See your sales order contract for a complete warranty description.

### FAA Certified product installed in the United States and purchased or funded with monies through the Airport Improvement Program (AIP) installations guarantee

ADB SAFEGATE L858 Airfield Guidance Signs are warranted against mechanical and physical defects in design or manufacture for a period of 2 years from date of installation, per FAA AC 150/5345-44 (applicable edition).

ADB SAFEGATE L858(L) Airfield Guidance Signs are warranted against electrical defects in design or manufacture of the LED or LED specific circuitry for a period of 4 years from date of installation, per FAA EB67 (applicable edition).

ADB SAFEGATE LED light fixtures (with the exception of obstruction lighting) are warranted against electrical defects in design or manufacture of the LED or LED specific circuitry for a period of 4 years from date of installation, per FAA EB67 (applicable edition).



## Note

See your sales order contract for a complete warranty description.

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## Liability

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### WARNING

Use of the equipment in ways other than described in the catalog leaflet and the manual may result in personal injury, death, or property and equipment damage. Use this equipment only as described in the manual.

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ADB SAFEGATE cannot be held responsible for injuries or damages resulting from non-standard, unintended uses of its equipment. The equipment is designed and intended only for the purpose described in the manual. Uses not described in the manual are considered unintended uses and may result in serious personal injury, death or property damage.

Unintended uses, includes the following actions:

- Making changes to equipment that have not been recommended or described in this manual or using parts that are not genuine ADB SAFEGATE replacement parts or accessories.
- Failing to make sure that auxiliary equipment complies with approval agency requirements, local codes, and all applicable safety standards if not in contradiction with the general rules.
- Using materials or auxiliary equipment that are inappropriate or incompatible with your ADB SAFEGATE equipment.
- Allowing unskilled personnel to perform any task on or with the equipment.

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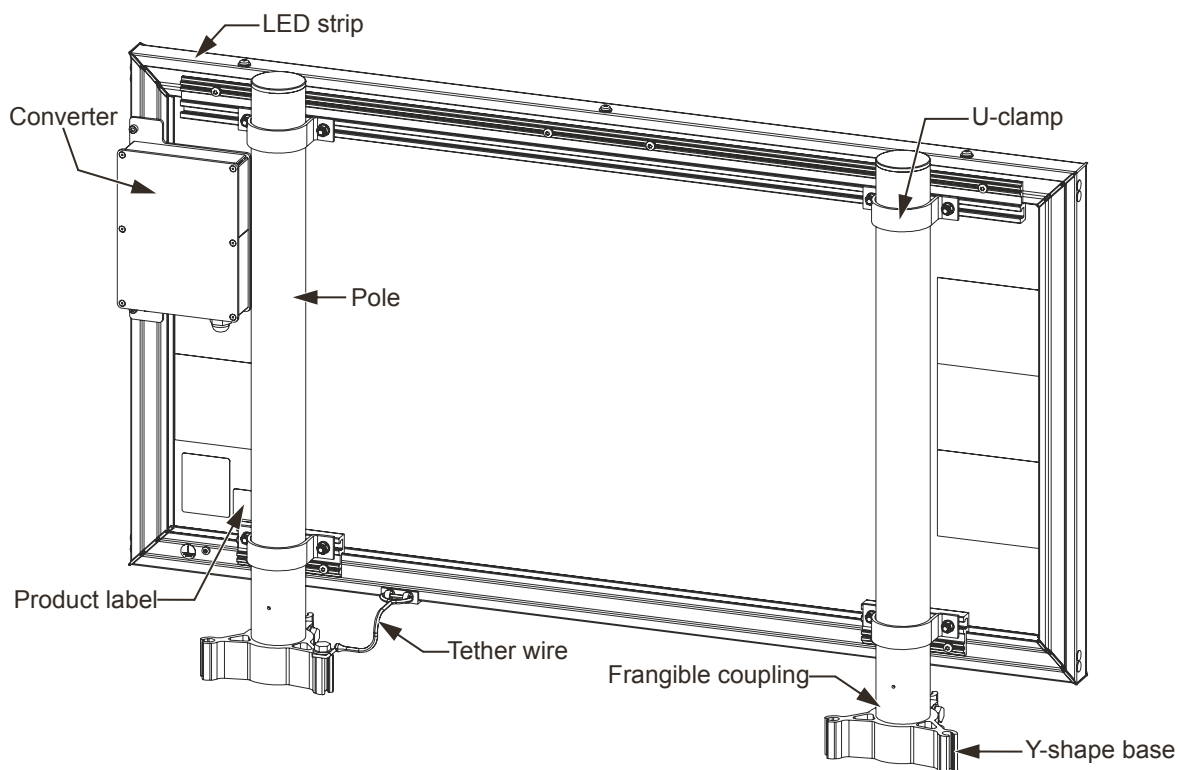
# 1.0 Spare Parts

## 1.1 RELIANCE Sign

This spare part list covers both Guidance signs and Gate signs.

To select the correct spare part, make sure which sign version you have. Complete product information can be found on the product label which is located on the back of the sign.

**Figure 1: RELIANCE Sign back**



**Table 1: Installation material**

Description	Order code
Y-shaped, 3 bolt, mounting base	SG13993
Pole for 700 mm high signs	SG13994
Pole for 900 mm high signs	SG13995
U-clamp, diameter 70 mm, including bolt and nut, 10 pcs	SG25836
Sealing kit, including corner gaskets, sealing washers and bolts for top profile, 100 pcs	SG25837
Sealing tape, LED cavity	SP012954
Safety tether M6	SG25755
Sign lock	SP012981
T-bolt M10×30, 10 pcs (Gate Sign)	SEL1121832
U-clamp + screws, diameter 140 mm (Gate Sign)	SG19258

Upper mounting rail	Order code
1150 mm	SP.012944
1200 mm	SP.012945
1300 mm	SP.012946
1600 mm	SP.012947
1800 mm	SP.012948
2100 mm	SP.012949
2500 mm	SP.012950
2650 mm	SP.012951
3000 mm	SP.012952
<b>Lower mounting rail</b>	SP.012953

**Table 2: Converter**

Description	Order code
Converter LED 6.6A	SG17951
Converter LED 230V	SG18028
Electronics Box Complete, excluding LED-adapter card	SP.012982
Electronics Box Lid, including gasket and screws	SP.012983
180 mm LED cable (between converter and adapter card), package of 10 pcs	SGE.SP18650
Photocell Gate Sign	SG24504
Fuse resistor, 20 pcs	6132.00.250
Fail-open indicator	RLSNFOIND

### Frangible Couplings for wind load requirement ICAO 322 km/h and FAA Mode 2

**Table 3: Sign height 700 mm**

Sign size (mm)	Poles/sign	For Y-shaped, 3-bolt mounting base	For Pre-cast foundation
1150	2	SG13981 (1.8)	SG15180 (1.8)
1300	2	SG13981 (1.8)	SG15180 (1.8)
1600	2	SG13981 (1.8)	SG15180 (1.8)
1800	2	SG13982 (2.2)	SG15180 (2.2)
2100	3	SG13981 (1.8)	SG15180 (1.8)
2500	3	SG13981 (1.8)	SG15180 (1.8)
2650	4	SG13980 (1.6)	SG15180 (1.6)
3000	4	SG13981 (1.8)	SG15180 (1.8)

**Table 4: Sign height 900 mm**

Sign size (mm)	Poles/sign	For Y-shaped, 3-bolt mounting base	For Pre-cast foundation
1150	2	SG13983 (2.6)	SG15180 (2.6)
1300	2	SG13983 (2.6)	SG15180 (2.6)
1600	2	SG13983 (2.6)	SG15180 (2.6)



**Table 4: Sign height 900 mm (continued)**

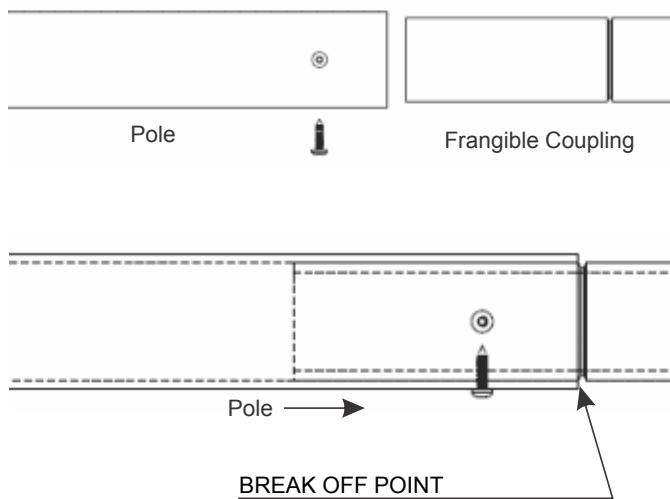
Sign size (mm)	Poles/sign	For Y-shaped, 3-bolt mounting base	For Pre-cast foundation
1800	2	SG13984 (3.1)	SG15180 (3.1)
2100	3	SG13982 (2.2)	SG15180 (2.2)
2500	3	SG13983 (2.6)	SG15180 (2.6)
2650	3	SG13983 (2.6)	SG15180 (2.6)
3000	4	SG13983 (2.6)	SG15180 (2.6)



**Note**

At replacement of frangible couplings, mount in existing poles.

Insert the end of the frangible coupling, which is 150 mm from the break-off point, into the pole until the end of the pole is centered over the break off point of the frangible coupling. Fasten by reusing the self-threading screws supplied with the original assembly.



**Frangible Couplings for wind load requirement ICAO 480 km/h and FAA Mode 3**

**Table 5: Sign height 700 mm**

Sign size (mm)	Poles/sign	For Y-shaped, 3-bolt mounting base	For Pre-cast foundation
1150	2	SG18697 (3.8)	SG15180 (3.8)
1300	2	SG18697 (3.8)	SG15180 (3.8)
1600	3	SG13984 (3.1)	SG15180 (3.1)
1800	3	SG13984 (3.1)	SG15180 (3.1)
2100	3	SG18697 (3.8)	SG15180 (3.8)
2500	4	SG13984 (3.1)	SG15180 (3.1)
2650	4	SG13984 (3.1)	SG15180 (3.1)
3000	4	SG18697 (3.8)	SG15180 (3.8)

**Table 6: Sign height 900 mm**

Sign size (mm)	Poles/sign	For Y-shaped, 3-bolt mounting base	For Pre-cast foundation
1150	3	SG18697 (3.8)	SG15180 (3.8)
1300	3	SG18697 (3.8)	SG15180 (3.8)
1600	4	SG13984 (3.1)	SG15180 (3.1)
1800	4	SG13984 (3.1)	SG15180 (3.1)
2100	4	SG18697 (3.8)	SG15180 (3.8)
2500	5	SG18697 (3.8)	SG15180 (3.8)
2650	5	SG18697 (3.8)	SG15180 (3.8)
3000	5	SG18697 (3.8)	SG15180 (3.8)

For instructions regarding replacement of frangible couplings, see note in [Frangible Couplings for wind load requirement ICAO 322 km/h and FAA Mode 2](#).

### LED modules for RELIANCE Sign

**Table 7: Sign height 700 mm**

Sign size (mm)	One led strip + one adapter card
1150	SG19119
1300	SG19120
1600	SG19121
1800	SG19122
2100	SG19123
2500	SG19124
2650	SG19125
3000	SG19126

**Table 8: Sign height 900 mm**

Sign size (mm)	One led strip + one adapter card
1150	SG19127
1300	SG19128
1600	SG19129
1800	SG19130
2100	SG19131
2500	SG19132
2650	SG19133
3000	SG19134

**Table 9: Gate sign**

Sign size (mm)	One led strip
900 x 900	SG17949
1200 x 1200	SG17950



## Note

### Airfield Sign:

In case of broken or damaged LED strip, replace the LED strip including adapter card according to spare part list above.

In case of broken converter, replace with a new converter according to spare part list above.

### Gate Sign:

In case of broken or damaged LED strip, replace the LED strip according to spare part list above.



## CAUTION

It is important to use the provided LED strips and the adapter card included in the LED module spare part kit since it is specific for the dimension of the sign.

## Front panels

**Table 10: Sign height 700 mm**

Sign size (mm)	Order code
1150	SG17923
1300	SG17924
1600	SG17925
1800	SG17926
2100	SG17927
2500	SG17928
2650	SG17929
3000	SG17930

**Table 11: Sign height 900 mm**

Sign size (mm)	Order code
1150	SG17931
1300	SG17932
1600	SG17933
1800	SG17934
2100	SG17935
2500	SG17936
2650	SG17937
3000	SG17938

**Table 12: Gate sign**

Sign size (mm)	Order code
900 x 900	SG17939
1200 x 1200	SG17940



## Appendix A: SUPPORT

Our experienced engineers are available for support and service at all times, 24 hour/7 days a week. They are part of a dynamic organization making sure the entire ADB SAFEGATE is committed to minimal disturbance for airport operations.

### ADB SAFEGATE Support

#### Live Technical Support - Americas

If at any time you have a question or concern about your product, just contact ADB SAFEGATE's technical service department. Trained in all areas of system issues, troubleshooting, quality control and technical assistance, our highly experienced Technical support specialists are available 24 hours a day, seven days a week to provide assistance over the phone.

ADB SAFEGATE **Americas Technical Service & Support (US & Canada): +1-800-545-4157**

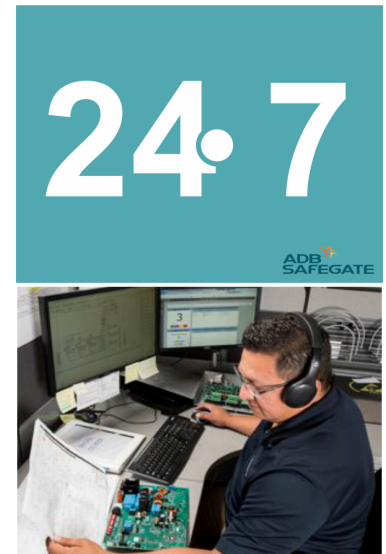
**ADB SAFEGATE Americas Technical Service & Support (International): +1-614-861-1304**

During regular business hours, you can also Chat with a Service Technician. We look forward to working with you!

#### Before You Call

When you have an airfield lighting or system control system problem it is our goal to support airfield maintenance staff as quickly as possible. To support this effort we ask that you have the following information ready before calling.

- The *airport code*
- If not with an airport, then company name (prefer customer id number)
- Contact phone number and email address
- Product with part number preferable or product number
- Have you reviewed the product's manual and troubleshooting guide
- Do you have a *True RMS* meter available (and any other necessary tools)
- Be located with the product ready to troubleshoot



#### Note

For more information, see [www.adbsafegate.com](http://www.adbsafegate.com), or contact ADB SAFEGATE Support via email at [support@adbsafegate.com](mailto:support@adbsafegate.com) or

Brussels: +32 2 722 17 11

Rest of Europe: +46 (0) 40 699 17 40

Americas: +1 614 861 1304. Press 3 for technical service or press 4 for sales support.

China: +86 (10) 8476 0106

### A.1 ADB SAFEGATE Website

The ADB SAFEGATE website, [www.adbsafegate.com](http://www.adbsafegate.com), offers information regarding our airport solutions, products, company, news, links, downloads, references, contacts and more.

## A.2 Recycling

### A.2.1 Local Authority Recycling

The disposal of ADB SAFEGATE products is to be made at an applicable collection point for the recycling of electrical and electronic equipment. The correct disposal of equipment prevents any potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling. The recycling of materials helps to conserve natural resources. For more detailed information about recycling of products, contact your local authority city office.

### A.2.2 ADB SAFEGATE Recycling

ADB SAFEGATE is fully committed to environmentally-conscious manufacturing with strict monitoring of our own processes as well as supplier components and sub-contractor operations. ADB SAFEGATE offers a recycling program for our products to all customers worldwide, whether or not the products were sold within the EU.

ADB SAFEGATE products and/or specific electrical and electronic component parts which are fully removed/separated from any customer equipment and returned will be accepted for our recycling program.

All items returned must be clearly labeled as follows:

- For *ROHS/WEEE* Recycling
- Sender contact information (Name, Business Address, Phone number).
- Main Unit Serial Number.

ADB SAFEGATE will continue to monitor and update according for any future requirements for *EU directives* as and when *EU member states* implement new *regulations* and or *amendments*. It is our aim to maintain our *compliance plan* and assist our customers.

## Company Addresses

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## Powering Your Airport Performance from Approach to Departure

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