



SafeLED Sign
Guidance Sign and Gate Sign

Spare Parts

SP-0223, Rev. 3.1, 2023/04/04


**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 below, 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 manufactured by ADB SAFEGATE 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 applicable sales agreement for a complete warranty description.

Replaced or repaired equipment under warranty falls into the warranty of the original delivery. No new warranty period is started for these replaced or repaired products.

FAA Certified products manufactured by ADB SAFEGATE

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 LED products (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). These FAA certified constant current (series) powered LED products must be installed, interfaced and powered with and through products certified under the FAA Airfield Lighting Equipment Program (ALECP) to be included in this 4 (four) year warranty. This includes, but is not limited to, interface with products such as Base Cans, Isolation Transformers, Connectors, Wiring, and Constant Current Regulators.



Note

See your sales order contract for a complete warranty description.

Replaced or repaired equipment under warranty falls into the warranty of the original delivery. No new warranty period is started for these replaced or repaired products.

Liability



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.

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 SafeLED Sign

In order to select correct spare parts, make sure to check the version number of sign. The version number is found on the product label on the back of the sign.

Figure 1: Sign back

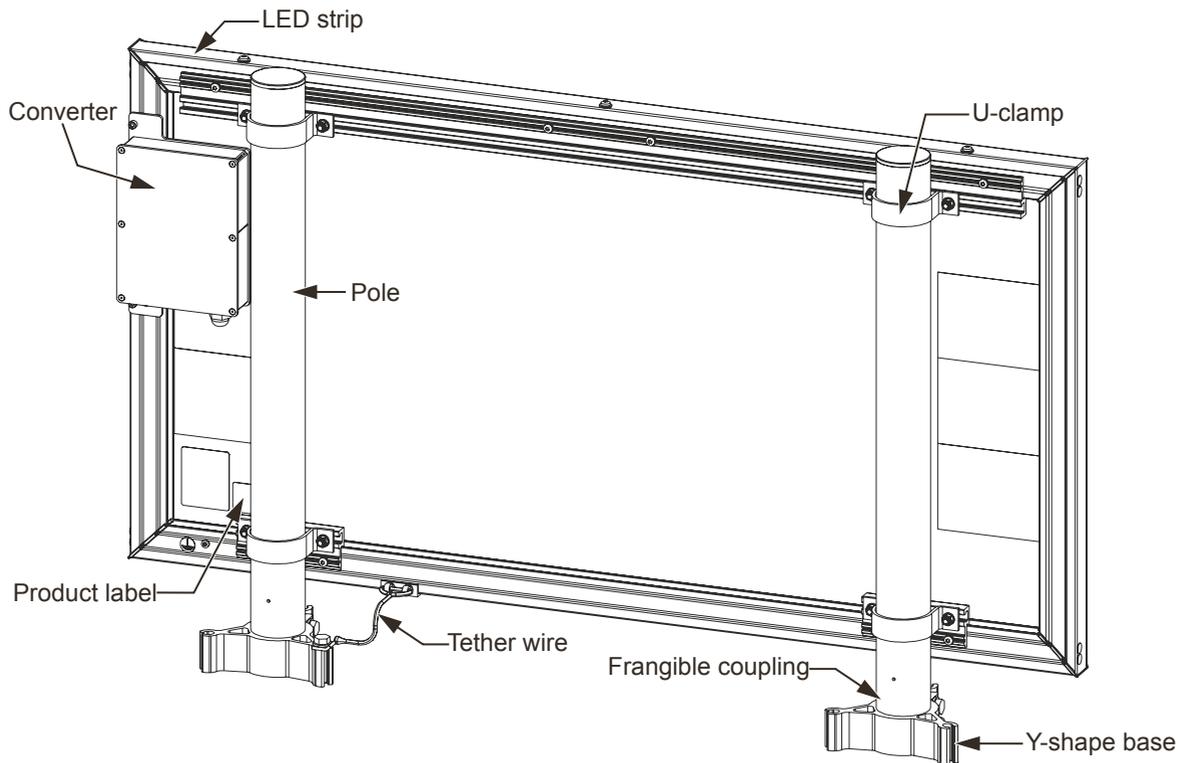


Table 1: Installation material

Description	Order code
3 bolt, Y-shape base	SG13993
Pole for 700 mm high signs	SG13994
Pole for 900 mm high signs	SG13995
Clamp, including bolt and nut, 1 pcs ¹	SG13996
U-clamp, including bolt and nut, 10 pcs ²	SG25836
Sealing kit, including corner gaskets, sealing washers and bolts for top profile, 100 pcs	SG25837
Safety tether M6	SG25755
T-bolt M10	SEL1121832

Notes

¹ SafeLED Sign version 1 to 4

² SafeLED Sign version 5

Table 2: Converter

Description	Order code
Reliance sign LCC converter	SP013106
Converter LED 230V	SG18028
180 mm LED cable (between converter and adapter card), package of 10 pcs	SGE.SP18650
Photocell Gate Sign	SG24504

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

Table 3: Sign height 700 mm

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

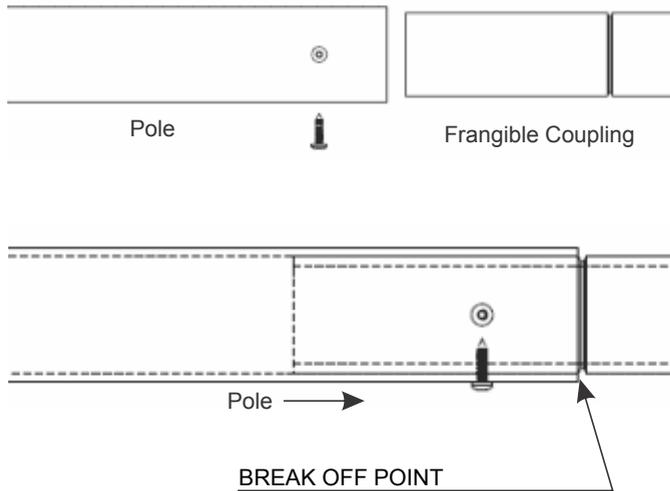
Table 4: Sign height 900 mm

Sign size (mm)	For 3 bolt, Y-shape, mounting base	For Pre-cast foundation
1150	SG13983 (2.6)	SG15180 (2.6)
1300	SG13983 (2.6)	SG15180 (2.6)
1600	SG13983 (2.6)	SG15180 (2.6)
1800	SG13984 (3.1)	SG15180 (3.1)
2100	SG13982 (2.2)	SG15180 (2.2)
2500	SG13983 (2.6)	SG15180 (2.6)
2650	SG13983 (2.6)	SG15180 (2.6)
3000	SG13983 (2.6)	SG15180 (2.6)



Note

When replacement frangible couplings are delivered, they need to be mounted in existing poles. Do this by inserting the end of the frangible coupling that 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 the two together using the self-threading screws that were 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)	For 3 bolt, Y-shape, mounting base	For Pre-cast foundation
1150	SG18697 (3.8)	SG15180 (3.8)
1300	SG18697 (3.8)	SG15180 (3.8)
1600	SG13984 (3.1)	SG15180 (3.1)
1800	SG13984 (3.1)	SG15180 (3.1)
2100	SG18697 (3.8)	SG15180 (3.8)
2500	SG13984 (3.1)	SG15180 (3.1)
2650	SG13984 (3.1)	SG15180 (3.1)
3000	SG18697 (3.8)	SG15180 (3.8)

Table 6: Sign height 900 mm

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

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

LED modules for SafeLED Sign version 2 to 5

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

LED modules for SafeLED Sign version 1.0 and 1.1

Table 10: Sign height 700 mm

Sign size (mm)	SafeLED Sign version 1.0 Dual led strips + one adapter card	SafeLED Sign version 1.1 One led strip + one adapter card
1150	SG24836	SG19119
1300	SG19267	SG19120
1600	SG19268	SG19121
1800	SG19269	SG19122
2100	SG24837	SG19123

Table 10: Sign height 700 mm (Continued)

Sign size (mm)	SafeLED Sign version 1.0 Dual led strips + one adapter card	SafeLED Sign version 1.1 One led strip + one adapter card
2500	SG19270	SG19124
2650	SG19271	SG19125
3000	SG19272	SG19126

Table 11: Sign height 900 mm

Sign size (mm)	SafeLED Sign version 1.0 Dual led strips + one adapter card	SafeLED Sign version 1.1 One led strip + one adapter card
1150	SG24836	SG24836
1300	SG19267	SG19267
1600	SG19268	SG19268
1800	SG19269	SG19269
2100	SG24837	SG24837
2500	SG19270	SG19270
2650	SG19271	SG19271
3000	SG19272	SG19272


Note
Airfield Sign

Broken or damaged LED strip on SafeLED Sign v.1.0 - 2.0: LED strip(s), adapter card and converter needs to be replaced. But if converter replacement has been done once (after April 2016), only LED strip(s) and adapter card needs to be replaced.

SafeLED Sign version v 1.0-1.1 have two LED strips. Both must be replaced at the same time even if only one is broken. For traceability and correct assessment of needed spare parts please keep record of all spare part replacements.

Broken or damaged LED strip SafeLED Sign v.3.0 or later: LED strip incl adapter card needs to be replaced.

If converter is broken on any of the versions: Replace with new converter according to spare part list above.

Gate Sign

Broken or damaged LED strip: Only LED strip need to be replaced.


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 version and dimension of the sign.

Front panels

Table 12: 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 13: 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 14: 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**

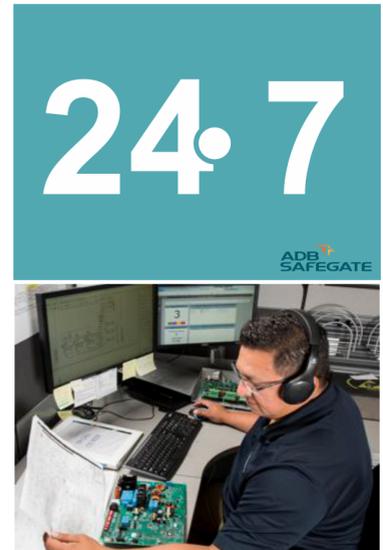
ADB SAFEGATE Americas Technical Service & Support (International): +1-614-861-1304

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, or contact ADB SAFEGATE Support via email at 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, 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.

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