

Honeywell TGS LED

Traffic Guidance Signs

Application

The traffic guidance signs TGS LED provide guidance and orientation for pilots and vehicle drivers on runways and taxiways. They can be used as mandatory instruction signs or information signs.

Compliance with Standards

- ICAO, Annex 14
- BMVBS: NfL I, 96/03

Main Features

- Robust, low-maintenance design
- Corrosion- and UV-resistant materials
- Illuminated by long-life LEDs
- Average operating hours of illuminants: 50.000 h
- Supplied via series circuit transformer (6.6 A)
- Suitable for runway visual ranges of < 800 m
- One-piece front plate even for combined mandatory instruction and/or information signs
- Sign height: 650 mm or 850 mm
- Sign length: 800 mm to 3000 mm (special sizes on request)
- Pre-assembled on delivery
- Mountable on concrete foundation by use of columns + clamps + frangible couplings + mounting flanges + compound anchors
- Hinged front opening for easy maintenance access

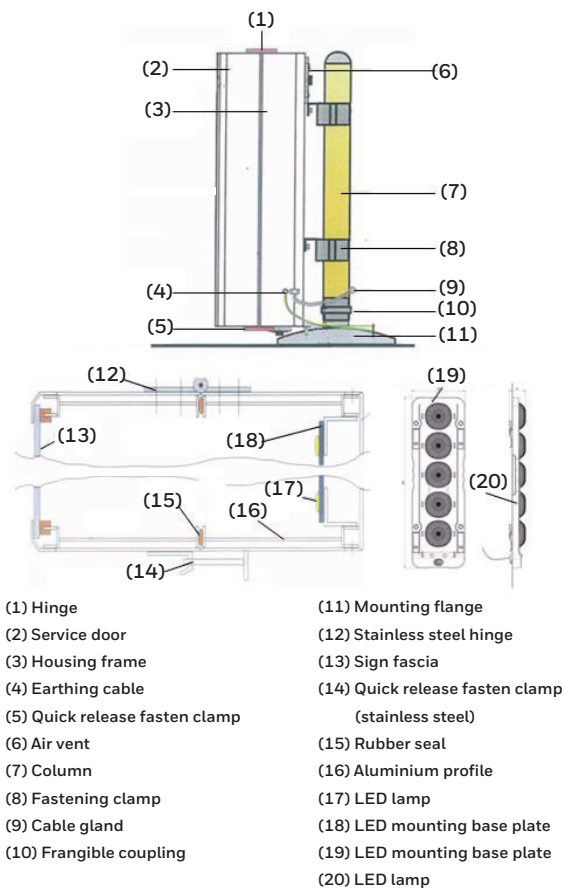
Standard Version

Housing and Illumination

- Housing made of double-walled aluminium profiles
- Polycarbonate front plate, screen-print lettering on the inside
- Hinged front opening for service
- Air vents
- Connection cable with standard FAA plug connector
- Earthing cable

Mounting System (Aluminium)

- Columns and clamps (acc. to type and jet blast requirements)
- Frangible couplings and mounting flanges
- Compound anchors



Options

- Two safety ropes (stainless steel)
- Connecting cable with protective metal conduit
- Air vents with dust filters for IP 55 protection
- Bird spikes
- Short cut switch
- Electric button for resetting the electronics of the sign

Technical Data

OPTICAL DATA (HEIGHT 650/850 MM, ACC. TO ICAO)	
CHROMATICITY	Acc. to ICAO, Annex 14, APP1-2
LUMINANCE: RVR < 800 M	
• RED	30 cd/m ²
• YELLOW	150 cd/m ²
• WHITE	300 cd/m ²
LUMINANCE: RVR > 800 M	
• RED	10 cd/m ²
• YELLOW	50 cd/m ²
• WHITE	100 cd/m ²
LUMINANTS	LED modules: 1x LED module per 400mm length at 650mm height 2x LED modules per 600mm length at 850mm height

ELECTRICAL DATA	
CONNECTION/POWER SUPPLY	Serially, via series circuit transformer (6.6 A)
POWER CONSUMPTION	9 W at 6.6 A per LED module
PROTECTION CODE:	
• STANDARD VERSION	IP 54
• WITH OPT. AIR VENT DUST FILTERS	IP 55

Ordering Information for Illuminants

ITEM	ORDER NO.
LED MODULE	65.880 545
LED POWER SUPPLY WITHOUT FAIL-OPEN	65.880 548
LED POWER SUPPLY WITH FAIL-OPEN	65.880 549

MECHANICAL DATA	
• HOUSING	Double-walled aluminium profile, white powder coating (RAL 9010, others on request)
• FRONT PLATE	• Clear polycarbonate (5 mm) • Screen-print lettering on the inside
• COLUMNS/CLAMPS	Aluminium, yellow powder coating (RAL 1006)
• MOUNTING FLANGES	Aluminium
• COMPOUND ANCHORS/SCREWS	Stainless steel
HOUSING DIMENSIONS (ACC. TO ICAO/NFL)	
• HEIGHT	
- TYPE 650	642 mm
- TYPE 850	842 mm
• DEPTH	213 mm
• LENGTH	800 to 3000 mm
JET BLAST (DEFINES NUMBER OF COLUMNS)	• Standard: 60 m/s • on request up to 90 m/s
WEIGHT (DEPENDING ON TYPE)	Approx. 19 kg to 73 kg
AMBIENT DATA	
• OPERATING TEMPERATURE	-55 °C to +85 °C
• STORAGE TEMPERATURE	-55 °C to +125 °C
• REL. HUMIDITY	Max. 95 % at +55 °C

PACKING DATA (MAX. 5 SIGNS ON WOODEN PALLET)	
TGS_A LENGTH:	PALLET DIMENSIONS (LXB MM):
800MM	900x700 mm
UP TO 1000 MM	1100x700/900
1200 MM	1300x700/900
1400 MM	1500x700/900
1600 MM	1700x700/900
1800 MM	1900x700/900
2000 MM	2100x700/900
2300 MM	2400x700/900
2650 MM	2800x700/900
3000 MM	3100x700/900 Max. height: 1522 mm

For more information on these and other Honeywell Airport Systems products, visit

<http://www.honeywellairports.com>

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Subject to alterations.

Doc. 65 880 543 TDE | Rev 01 | 08/16
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