

Halogen ICAO Guidance Sign

Compliances:

- ICAO: Annex 14 - Volume I
- NATO: STANAG 3316

Manual:

- Instruction Manual **UT-MT-0691**



Applications:

- ICAO signs, model HIGS, are designed for use on airport taxiways and runways to mark taxi routes and intersections. Colours may be black on yellow, yellow on black, or white on red depending on the application as defined by ICAO, Annex 14.

Characteristics:

- Designed in compliance with FAA 150/5345-44 and ICAO Annex 14 - Volume I
- Structural integrity assured by extruded aluminium profiles
- Matt external finishing
- Metric hardware
- **48W – 1500 hours halogen lamp**, common to all sizes
- Operating temperature: **-55°C** to +55°C
- No internal reflectors to achieve photometric requirements.
- The luminance of the sign faces varies with current, from 2.8 A through 6.6 A and the relevant values are shown in the TABLE A
- Modular design with uniform leg spacing
- Sign face with translucent message
- Message on one face
- Frangibility according to ICAO or FAA requirements, withstanding wind velocities up to 322 km/h.
- Breakable couplings may be pre-installed on concrete pad and sign lowered onto them for easy installation
- Power entry enclosed into a protective flexible pipe
- An external power disconnecting switch is provided to break all electrical connections to the sign for safe maintenance
- Operates from 1 step (6.6 A) or 3 steps (4.8 A to 6.6 A) or 5 steps (2.8 A to 6.6 A) series lighting circuit through isolating transformers. See TABLE B on this page for isolating transformer choice.
- Power required to CCR per module: 100 W at 6.6 A
- Power factor not less than 0.97 at any series current step from 2.8 A through 6.6 A, 50/60 Hz

How To Order:

HIGS31 - 1 - XX

Basic Part Number: _____

Size: _____
 3 = Sign, 300 mm Legend Height
 4 = Sign, 400 mm Legend Height

Number of Faces: _____
 1 = Single Face

Number of Modules: 1 to 4 _____

Options: _____
 00 = Without Lamps
 01 = Tether
 18 = Double power supply for 4 module signs

- To determine the exact number of modules to fit your message, contact OCEM
- To construct the catalogue number, add to the basic part number the size code, the number of faces and the number of modules
- If required, any option can be added
- Floor flanges included; anchor bolts not included
- Order isolation transformer(s), eventual transformer housing with baseplate and gasket, pipe elbow and connector kit separately
- The colours of the sign face and the legends must be specified for each sign
- Multiple messages and colours may appear on a sign face
- When facing side A, the power entry is on the right
- Orders should always specify the message orientation

TABLE A - LUMINANCE in cd/m² at 6.6 A

LEGEND SIZE	HEIGHT of SIGN FACES	COLOURS		
		RED	YELLOW	WHITE
400 mm	800 mm	60	260	380
300 mm	600 mm	65	275	400

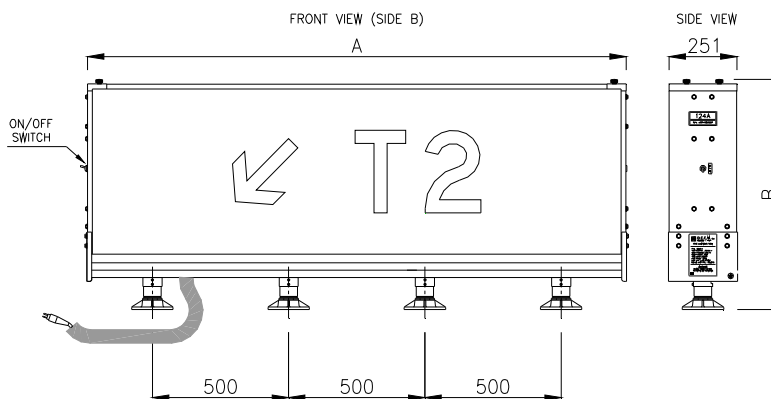
TABLE B - REQUIRED ISOLATING TRANSFORMERS

Sign modules	TRANSFORMER RATING		
	Face(s)	2.8 A - 6.6 A	
		STANDARD	OPT. 18
1	1	100 W	//
2	1	200 W	//
3	1	300 W	//
4	1	400 W	2x200 W

Layout Drawings:

Lamp Modules	1	2	3	4
A	991	1976	2961	3946

Legend Height	300	400
B	838	1038



Accessories:

[P/N] Description

013.0010	Set of two ryton rings for receptacle support inside pipe elbow
013.0008	Galvanized steel pipe elbow with upper threaded end only
315.3210	Galvanized steel pipe elbow with both threaded ends
315.1228	Base L-867, Class IA, Size B 12", 24" deep
315.1062	Baseplate for L-867 base with gasket and cable clamp
011.3100	Consolidating harness
315.4150	M12x60 anchoring rod, 250 mm long, complete with hardware(4 pieces for each floor flange)

Renewal Parts:

[P/N] Description

303.7325	Breakable coupling for sign with 400 mm legend height
303.7335	Breakable coupling for sign with 300 mm legend height
323.2367	Cable lead with plug
464.0238	ON-OFF switch
470.0218	Rubber cap for switch
760.2186	48W 6.6A Halogen Lamp

Shipping Weights and Volumes:

LEGEND SIZE	Number of Modules			
	1	2	3	4
300	43 kg - 0.30 m ³	74 kg - 0.57 m ³	108 kg - 0.84 m ³	133 kg - 1.11 m ³
400	48 kg - 0.35 m ³	82 kg - 0.68 m ³	119 kg - 1.01m ³	148 kg - 1.35 m ³



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