

→Application

- direction, destination, boundary, mandatory instruction and TWY location signs
- mandatory sign - white inscription on red background
- informative sign - black inscription on yellow background
- both types can be supplemented with a place sign

→Certificates

- ICAO ANNEX 14 Volume I
- FAA AC 150/5345-44F

→Description/Properties

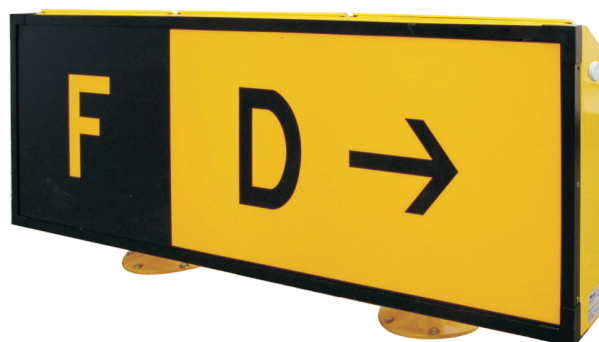
- constant illumination of entire sign space due to LED dense network
- constant luminance intensity in range 2,8–6,6 A
- electronics is distributed into several independent segments (the number corresponds to the length), failure of one segment has no influence to other segments
- modular design allows quick and easy tool-free repair, modules replacement can be performed just with one hand
- low price and interchangeability of modules saves cost and simplifies maintenance
- delivery contains complete electronics, cable with connector and mounting feet; delivery does not include isolation transformer

→Construction

- structure consisting of aluminium box made of sandwich aluminium sections
- no need to take off entire panel for servicing, but just a small service opening doors
- composite material made legs ensure high strength and weather resistance
- reinsurance string prevents sign blow away
- possibility to change panel directly in field

→Operating conditions

- protection IP 54
- working temperature from -55 to +55 °C
- resistance against squalls and turbulences up to the speed of 322 km/h



chapter:

5.9.2

TZP-D



→ Electrical parameters

- supply from 2,8 to 6,6 A current loop (compatible with 8.3 A systems) or 230 V network
- LED diode segments are isolated from the power supply transformer
- independent overvoltage protection is integrated in each segment
- sign is equipped with a main switch

→ Assembly

- by means of base plates and breakable couplings to the prepared (or existing) concrete base
- all lengths signs use just one isolation transformer and therefore connected by means of only one power supply cable (FAA L-823 Style 1/7)
- sign must be grounded
- adjustable rear legs enable adaptation to existing concrete foundations
- sign must be installed on legs symmetrically, max. permissible asymmetry is 150 mm

→ Ordering codes

TZP-D-X-X-X-X

Type

- Y - informative sign (directional)
- R - mandatory sign
- L - sign for identification of place
- B - sign for indic. of remaining length of RWY
- H - sign of center of RWY

Size (mm)

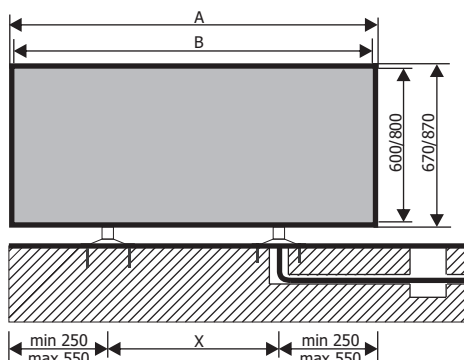
- 3 - height of panel/fonts-600/300
- 4 - height of panel/fonts-800/400

Length of sign

- A - 725/870 mm (height of panel 600/800 mm)
- B - 1335 mm
- C - 1950 mm
- D - 2560 mm
- E - 2860 mm
- K - 3160 mm
- F - 3790 mm
- G - 4095 mm

Supply

- C - serial circuit 2,8–6,6 A
- V - AC 230 V



Informative signs (height of panel/fonts 600/300 mm) - table of basic parameters

Type	A=length sign [mm]	B=length pannel [mm]	Number of feet	X min. [mm]	X max. [mm]	Number of segments (max. Power)	Number of transf. output [W]	Weight [kg]	Ordering codes 2,8-6,6 A	Ordering codes 230 V
A	725	655	1	-	-	2 (27 VA)	1×65	27	915-220	915-220V
B	1335	1265	2	590	-	4 (54 VA)	1×150	50	915-221	915-221V
C	1950	1880	2	590	1500	6 (81 VA)	1×200	67	915-222	915-222V
D	2560	2490	2	590	1500	8 (108 VA)	1×200	84	915-223	915-223V
E	2860	2790	3	590	1500	9 (121 VA)	1×200	97	915-224	915-224V
K	3160	3090	3	590	1500	10 (135 VA)	1×300	103	915-225	915-225V
F	3790	3720	3	590	1500	12 (162 VA)	1×300	126	915-226	915-226V
G	4095	4025	4	590	1500	13 (175 VA)	1×300	141	915-227	915-227V

Informative and mandatory signs (height of panel/fonts 800/400 mm) - table of basic parameters

Type	A=length sign [mm]	B=length pannel [mm]	Number of feet	X min. [mm]	X max. [mm]	Number of segments (max. Power)	Number of transf. output [W]	Weight [kg]	Ordering codes 2,8-6,6 A	Ordering codes 230 V
A	870	800	2	590	-	3 (45 VA)	1×100	41	915-228	915-228V
B	1335	1265	2	590	-	4 (60 VA)	1×150	55	915-229	915-229V
C	1950	1880	2	590	1500	6 (90 VA)	1×200	74	915-230	915-230V
D	2560	2490	3	590	1500	8 (90 VA)	1×300	99	915-231	915-231V
E	2860	2790	3	590	1500	9 (135 VA)	1×300	110	915-232	915-232V
K	3160	3090	3	590	1500	10 (150 VA)	1×300	116	915-233	915-233V
F	3790	3720	4	590	1500	12 (180 VA)	1×300	147	915-234	915-234V
G	4095	4025	4	590	1500	13 (195 VA)	1×300	158	915-235	915-235V