

Assembly Instructions for: ZPL 6** Series Enclosures



HAWKE International

AI 272 / Issue W - 12/21

IMPORTANT: This document should be read carefully before commencing installation

Zones of Use of Terminal Box

CAT II 2G for use in Zone 1. Areas as defined in IEC/EN 60079-14.
CAT II 2D for use in Zone 21 or 22. Areas as defined in IEC/EN 60079-31.

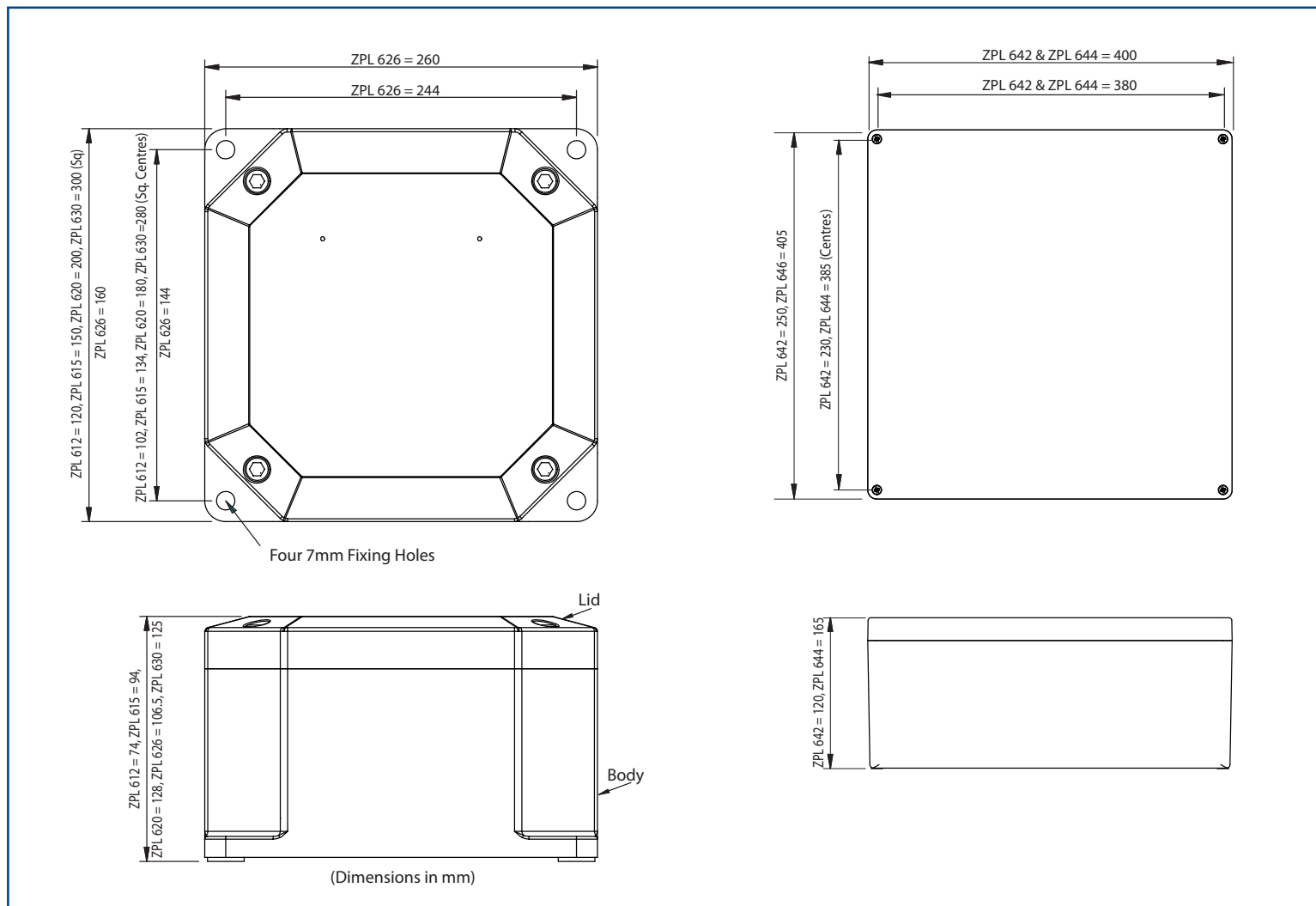
Service Temperature **Minimum Installation Temperature: -5°C**
ZPL 6** -60°C to +75°C

Certification Details

Box Type: ZPL6** Series
 Ⓢ II 2 GD Ex eb IIC Gb , Ex tb IIIC Db IP66
 Baseefa 06ATEX0116U
 IEC Ex BAS06.0027U
 BAS21UKEX0046U
 IEx 16.0143X
 ⓧ No EA3C RU C-GB.HA91.B.00260/21

Component Certified Enclosure Only

Additional certification required when assembled with other electrical equipment.



SCHEDULE OF LIMITATIONS:

1. The enclosures shall not be exposed to temperatures outside the range of -60°C to +75°C.
2. Unused entry holes shall be fitted with stopping plugs as specified in the description below. The operating temperature range of the enclosure is limited to that of the stopping plug fitted.
3. Only breather / drain devices as specified in the description below may be used with these enclosures. The breather / drain devices must be installed in their correct orientation in the bottom face gland plate of the enclosure. the operating temperature range of the enclosure is limited to that of the breather / drain device fitted.
4. **Unused entries may be fitted with alternative stopping plugs and/or breather drains to those listed in the schedule. The user is responsible for ensuring that the protection concept temperature class and relevant IP rating are maintained.**

Connection Solutions

www.ehawke.com

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The enclosures may be fitted with the following certified stopping plugs, int/ext earth studs and breather drain devices:

Manufacturer	Product	Type	Certificate Number	IP Rating
Hawke	Stopping Plug	375	IECEX BAS 12.0065X / Baseefa12ATEX0095X / BAS21UKEX0053X Operating Temp. -60°C to +75°C	IP 66/67
Hawke	Stopping Plug	387	IECEX BAS 06.0029U / Baseefa06ATEX0118U / BAS21UKEX0051U Operating Temp: Nitrile O-Ring -60°C to +80°C Silicone O-Ring -60°C to +160°C	IP 66/67
Hawke	Stopping Plug	390	IECEX BAS 11.0079X / Baseefa11ATEX0157X / BAS21UKEX0052X Operating Temp: Nitrile O-Ring -60°C to +80°C Silicone O-Ring -60°C to +160°C	IP 66/67
Hawke	Internal/External Earth	IES10 IES 6/12 ES 6/12	IECEX BAS 09.0013U / Baseefa09ATEX0039U / BAS21UKEX0037U Operating Temp: -60°C to +200°C	IP 66
Hawke	Stopping Plug	487	IECEX BAS 11.0071X / Baseefa11ATEX0149X / BAS21UKEX0058X Operating Temp: Nitrile O-Ring -60°C to +80°C Silicone O-Ring -60°C to +160°C	IP 66
Hawke	Breather Drain	389	IECEX BAS 11.0075X / Baseefa11ATEX0153X / BAS21UKEX0043X Operating Temp: Nitrile O-Ring -60°C to +80°C Silicone O-Ring -60°C to +160°C	IP 66
Hawke	Breather Drain	385	IECEX BAS 11.0075X / Baseefa11ATEX0153X / BAS21UKEX0043X Operating Temp: -60°C to +80°C	IP 66

TO OPEN THE LID:

1. Untighten the lid securing screws.
2. Carefully remove the lid ensuring that the gasket is not displaced or damaged.

TO CLOSE THE LID:

1. Check that the gasket is correctly located in the groove in the underside of the lid and undamaged. If the lid has been removed, ensure the correct lid is refitted.
2. Locate and tighten all the lid securing screws into the box body.

ENCLOSURE INSTALLATION (EI)

- a) The IP rating of the enclosure must be maintained for the area of use (e.g. IP6* for Zone 21 dust environment) by the use of correct arrangement of cable/gland/sealing arrangements and in accordance with the installation codes as detailed in IEC/EN 60079-14, IEC 60078-14, IEC/EN 60079-31 and these installation instructions.
- b) The enclosure may be ready supplied with cable entries. Where the customer drills cable entries they must be installed in accordance with the component certificates and limitations, these specify a maximum clearance on the entry thread of 0.7mm for plain holes and where adjacent cable entries are installed sufficient clearance must be maintained to allow for the fitting of sealing/retaining washers and the rotation of the cable gland hexagons, and leave a minimum of material between adjacent holes in line with the above certificate number(s).

EARTHING:

Enclosures shall be earthed in accordance with the relevant code of practice e.g. IEC/EN 60079-14 and IEC/EN 60079-31.

EXTERNAL EFFECTS AND AGGRESSIVE SUBSTANCES:

The end user shall take into consideration for health and safety regulations when changing environmental conditions and in the presence of extraneous voltages, humidity, vibrations, contamination and other external effects, take into account the limits of the operating conditions established by Hawke International.

Equipment parts used must be appropriate to the intended mechanical and thermal stresses and capable of withstanding attack by existing or foreseeable aggressive substances.

UK and EU Attestation of Conformity in accordance with European Directive 2014/34/EU and UK Statutory Instrument 2016/1107

Manufacturer: Hawke International, Oxford Street West, Ashton-under-Lyne, OL7 0NA, United Kingdom
Component: ZPL5 Series Enclosure
Provisions of the Directive fulfilled by the Equipment: Group II Category 2GD Ex eb IIC Gb, Ex tb IIIC Db – IP66
Harmonized Standards used: EN 60079-0:2018, EN60079-7:2015+A1:2018, EN60079-31:2014

Notified Body for EU-Type Examination: SGS Fimko 0598 Helsinki Finland
EU-type Examination Certificate: Baseefa14ATEX0116U
Notified Body for production: 0598

Approved Body for UK-Type Examination: SGS Baseefa 1180 Buxton UK
UK-type Examination Certificate: BAS21UKEX0046U
Approved Body for production: 1180

On behalf of the above named company, I declare that on the date the equipment, accompanied by this declaration, is placed on the market the equipment conforms with all technical and regulatory requirements of the above listed directives.


 Andrew Reid
 Technical Manager