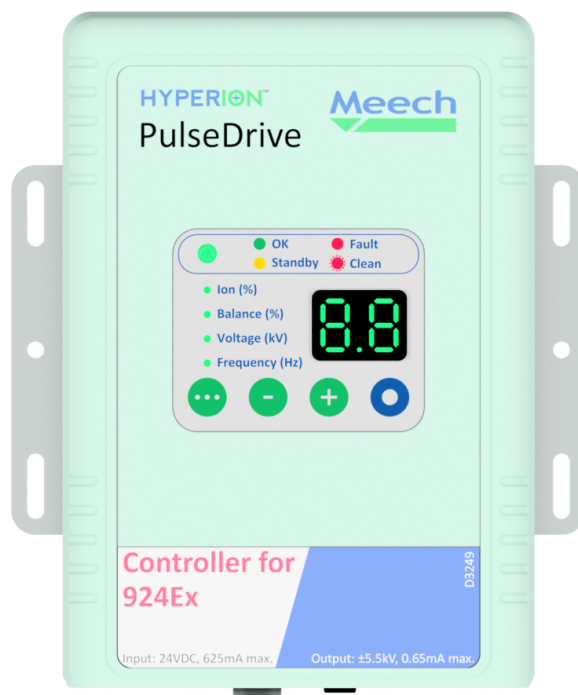


PulseDrive Plus HL 5.5kV PDC Controller



Product Code: APD-HL5.5KV-PLUS-00

The Hyperion™ PulseDrive Plus HL 5.5kV PDC Controller controls and powers up to two Meech [924EX Static Eliminators](#). The 924EX is an outstanding static eliminator with ATEX certification, intended for use in hazardous areas. Features of the PulseDrive Plus HL 5.5kV include a front-panel keypad so operators can locally adjust the 924EX parameters, allowing performance optimisation of the output voltage (up to 5.5kV), frequency for range, and balance for speed and accuracy to suit the requirement. The PulseDrive uses ion current monitoring technology to determine and provide performance status of the attached ionisers.

LEDs on the controller display operation status and users can turn the HV output on or off remotely via an external switch or volt-free contacts.

Two pairs of HV outputs allow users to connect two 924EX ionisers directly. For powering more than two from one PulseDrive, [DC Splitters](#) can be connected.

Furthermore, users can integrate the PulseDrive with our remote programmers [SmartControl™ Touch](#) or [BarMaster Remote Programmer](#).

Regardless of the application, users **must** position the PulseDrive Plus HL 5.5kV PDC Controller outside of the hazardous area.

Finally, we also offer the PulseDrive Plus in a 9.0kV version, specifically designed for use with our [976EX Static Eliminator](#) bar.

Product Data Sheet

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Features & Benefits

Dual Output	For direct connection of two ionisers or multiple ionisers with Meech DC Splitters .
Keypad & Numerical Display	For performance optimisation.
LEDs	Indicate operational status.
Options	SmartControl Touch and BarMaster Remote Programmer for optimal control.

Product Data Sheet

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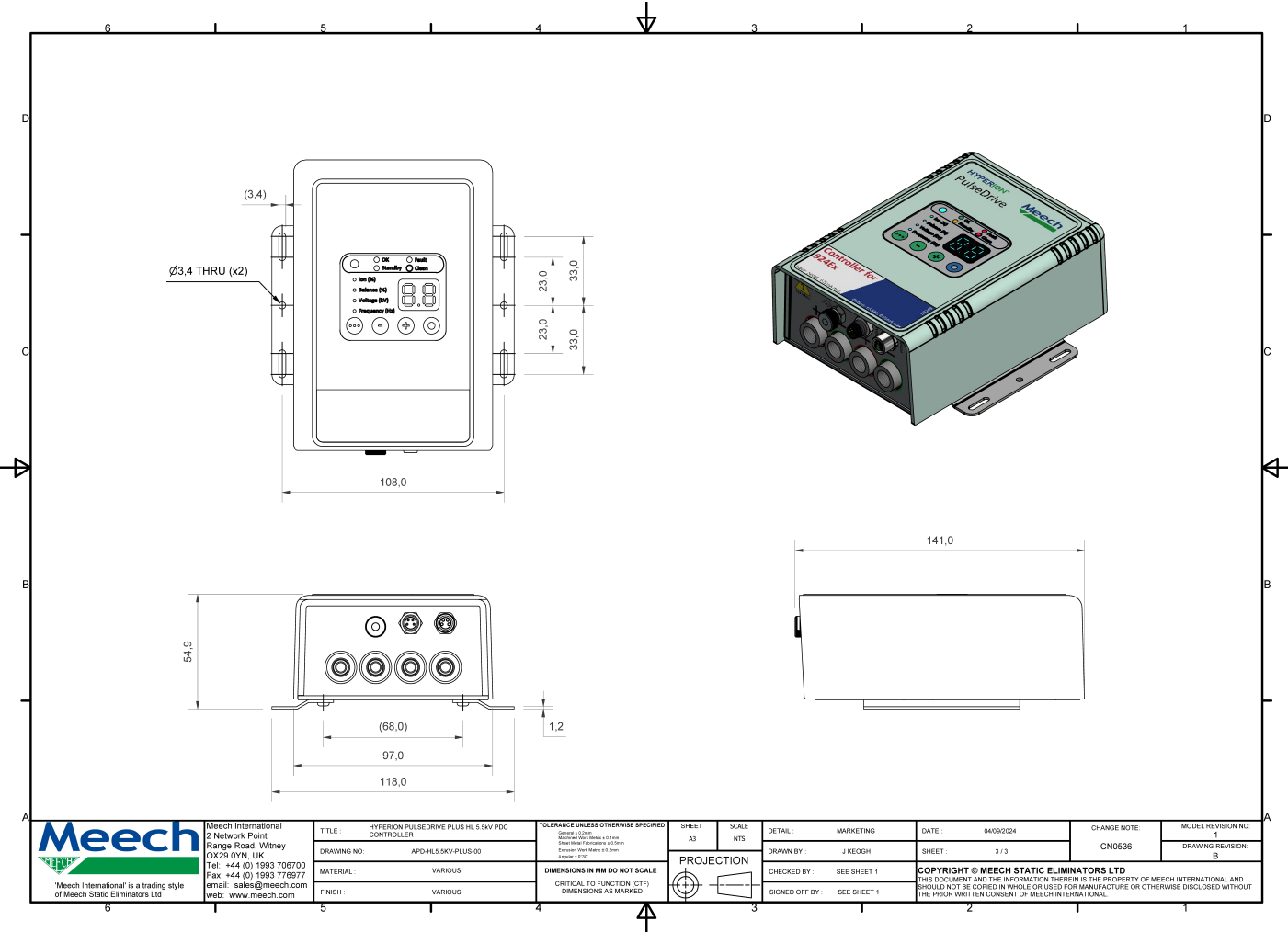


Technical Characteristics

Construction	FR-ABS housing.
Environmental	55°C maximum temperature. Controller must be situated outside the EX Zone .IP65 construction.
Dimensions	141 x 97 x 51mm (L x W x H). Including bracket 141 x 118 x 55mm (L x W x H). Clearance of 150mm may be required for electrical connections.
Input Connection	4-pin male M8 connector.
Output Voltage	Adjustable $\pm 2-5.5\text{kV}$ (default = 5.5kV) via the integrated keypad or via a connected SmartControl™ Touch or BarMaster Remote Programmer for even better performance.
Outputs	Dual HV outputs.
Output Frequency	Adjustable from 1-20Hz (default 20Hz) via the integrated keypad or via a connected SmartControl™ Touch or BarMaster Remote Programmer for even better performance.
Electrical Consumption	15W maximum.
Output Current	Maximum 625uA.
Weight	600g.
Balance	A balanced output can be adjusted from 80:20 to 20:80 in each polarity via the integrated keypad or via a connected SmartControl™ Touch or BarMaster Remote Programmer for even better performance.
Certification	CE and UL.
Remote Operation	On/Off via the 4-pin female M8 connector. Hi/Lo signals IEC 61131-2 compatible.
Options	SmartControl Touch or BarMaster Remote Programmer for optimal control.
Supply Voltage	24V DC.

Product Data Sheet

Published Date: 20.05.2025



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TITLE:	HYPERION PULSEDRIE PLUS HL 5 kV PDC CONTROLLER
DRAWING NO:	APD-HLS 5KV-PLUS-00
MATERIAL:	VARIOUS
FINISH:	VARIOUS

TOLERANCE UNLESS OTHERWISE SPECIFIED
General: ±0.2mm Dimensional: 100% Meech ±0.1mm Dimensional: 100% Meech ±0.1mm Dimensional: 100% Meech ±0.1mm Dimensional: 100% Meech ±0.1mm
DIMENSIONS IN MM DO NOT SCALE
CRITICAL TO FUNCTION (CTF) DIMENSIONS AS MARKED

SHEET	SCALE
A3	1:1
PROJECTION	

DETAIL:	MARKETING
DRAWN BY:	J. KEOGH
CHECKED BY:	SEE SHEET 1
SIGNED OFF BY:	SEE SHEET 1

DATE:	04/09/2024
SHEET:	3 / 3

CHANGE NOTE	MODEL REVISION NO.
CN0536	1
DRAWING REVISION:	
B	

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