



ElectroFusion Controllers

Plasson SmartFuse Solution

2017

	Digimatic Data	Polymatic Plus
	CODE: 1236 (£1538.25) 	CODE: 1237 (£2541.00) 
Data Input		
BARCODE-System	-	X
Temperature Compensation	-	X
SmartFuse/FUSAMATIC System	X	X
MANUAL	X	X
Output Current		
80A (max.: 110A)	-	X
60A (max.: 80A)	X	-
Output Voltage		
8-48V	X	X
40V	-	-
Data Recording		
AC/DC	AC/~	AC/~
Standard	X	X
Traceability	-	X
Pipe Linking System	-	-
Input Stage		
Input Voltage		

Generators have to fulfil the following requirements in order to avoid damage to the control unit and to ensure that the internal monitoring function of the control unit will not stop the welding process during the weld cycle unnecessarily.

Parameter	230V Control Units	110V Control Units
Adjustable no load voltage	245V - 260V	120V - 130V
Output current	Min. 18A on one phase	Min.36A on one phase
Nominal output power	5kVA on one phase	5kVA on one phase
General suitability for	Electrical devices with phase angle-control	
General suitability for	Inductive loads (cos φ =0.8...1)	
General	Voltage peaks should not exceed 800v	

Generators with poor control characteristics must provide substantially higher nominal output power.

Suitable Generators will be fitted with a 32 amp socket and an AVR (Automatic Voltage Regulator).

For fittings to 400mm, a 5kVA generator with AVR would be advised.

For fittings above 400mm, please consult Plasson for advice on suitable equipment.

ElectroFusion jointing is most reliable when completed with good quality scraping equipment, clamps and re-rounding tools.

Please visit www.plasson.co.uk for video instructions for ElectroFusion jointing.

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