



Socket NG type cod. 18210094

## DSM11P and DS11P Types Gas burner controls

### MAIN FEATURES

- Program versions for atmospheric burners with continuous operation
- Multicolor indications of operating status and fault status messages
- DS...P versions available with limitation function of the number of repetitions
- Remote reset facility
- DS...P versions available with control of polarization at startup
- DS...P versions suitable for EN746-2 applications
- Approval based on European Directive EN298:2003
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**DS...P burner controls** ensure reliable operation and supervision of direct ignition burners with permanent operation. The products have the same reliability of analogue versions (Euro-Gas Series CM191, SM192, SM592) and a high level of safety while offering ease of operation.

Burner controls of the DS...P line feature are equipped with a single-channel microprocessor system with periodic self-check and 2 independent shutdown paths for safety-related functions. An ionization probe or FD... sensor is used for flame supervision.

### Technical data (extract)

For further information see data sheets 20337.

Mains voltage:	100÷240V~ +10% / -15% @ 50/60Hz
Operating temperature range:	-20°C ÷ +70°C
Ambient humidity:	95% max @ 40°C
Protection degree (with connecting socket):	IP 40
Maximum cables length:	
- Reset – remote lockout signal:	100 m
- External components:	1 m

CE

- Electromagnetic compatibility EMC (immunity) 2014/30/EU
- Gas-fired appliances directive 2009/142/EC
- Low-voltage directive 2014/35/EU
- EC - type certification (CE PIN 0051CM4045)



The type reference applies to the DS...P burner control without plug-in base and without flame detector. The operating cycle and timers are set on request, further information see data sheets 20337.

Type reference Mains	Single electrode	Double electrode	Repetition	Remote Reset	Non-volatile Lockout	tw max	TP min	TS max	Tj min	Tsp min	Tdk max
DSM11P opt. A2 K5 V3 W20 EP2	✓	✓	---	✓	(1) (2) (3)	2 s	1 s	5 s	0 s	Ts-2s	5 s
DSM11P opt. A2 K30 YR3 EP2	✓	✓	3x	✓	(1) (2)	2 s	1 s	5 s	0 s	Ts-2s	30 s
DS11P opt. A J1 K30	---	✓	---	✓	(1) (2)	2 s	10 s	5 s	1 s	Ts	30 s
DS11P opt. J10 K30	---	✓	---	✓	(1) (2)	2 s	10 s	10 s	10 s	Ts-1s	30 s

(3) Lost flame during operation (Vn option with n repetitions).

### Single-Electrode: DSM11P

Multicolour Codes	Status
Continuously off ● ...	Waiting heat request
Green Continuously on ● ...	All OK.
Orange Continuously on ● ...	prepurge
Flashing Green ● ...	Low/bad flame signal during operation
Flashing Red ● ...	Extraneous light or simulation of flame on burner startup
Red/Green ● ...	Under/Over voltage detect
Green/Orange ● ...	The polarity is inverted, the device doesn't begin the working cycle
Blinking Red(*) ● ...	Diagnostics (press 5 s reset button)
Red Continuously on ● ...	Lockout alarm

<b>Red Blinking Codes</b>	<b>Description of possible cause</b>
<b>1 switch off every 2 seconds</b> ● ● ● ● ● ● ● ● ● ● ...	No flame detection at the end TS because the polarity is inverted
<b>2 switch off every 2 seconds</b> ● ● ● ● ● ● ● ● ● ● ...	No establishment of flame at the end of TS
<b>4 switch off every 2 seconds</b> ● ● ● ● ● ● ● ● ● ● ...	Extraneous light or simulation of flame on burner startup
<b>7 switch off every 2 seconds</b> ● ● ● ● ● ● ● ● ● ● ...	too many losses of flame during operation
<b>9-14 switch off every 2 seconds</b>	Wiring error or internal error, miscellaneous errors