

EC TYPE-EXAMINATION-CERTIFICATE



CERTIFICATE

GASTEC NV, Notified Body 0063 hereby declares

that the **burner control units**  
series **S4560 x xxxx/S4561 x xxxx**  
made by **Honeywell BV,**  
**Emmen, The Netherlands,**

comply with the essential requirements of the  
**Gas Appliances Directive (90/396/EEC).**

The compliance is based on examination to:  
EN 298 (October 1993).

PIN : 0063AP3100/1  
Report number : see appendix no.1  
Manufacturer file number : E 3100

The products have been approved for:  
all EU and EFTA countries.

A description of the specific types is given in the appendix  
to this certificate.

Apeldoorn, 11 February 2000

dr. L. Noordzij,  
President



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Appendix no.: 1  
Dated: January 2000  
P.I.N.: 0063AP3100/1  
Examination report(s):  
115657 dated 25 April 1993  
115657/1 dated 01 June 1999  
115810 dated March 1995  
119643 dated February 1997

Times (depending on Order Specification Number) :

Safety time	: 2 .... 50 s
Reaction time after flame failure	: max 1s
Self Check/Waiting/Prepurge time	: 0 .... 30 s

Behaviour after flame failure:

Recycling 1x (except models 'E') followed by non-volatile lockout  
(models 'A','B','C','D','E' and 'M') or volatile lockout (models 'P','Q','R' and 'T')

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Appendix no.: 1

Dated: 13-04-2007

P.I.N.: 0063AP3100/1

Examination report(s):

115657/4 dated April 2007

119643/5 dated April 2007

This appendix supersedes appendix no. 1 dated October 2002.

Scope:

The Honeywell B.V. automatic burner control system(s), Series S4560 A/B/C/D/E/M/P/Q xxxx / S4561 A/B/P/Q xxxx(2) revII are intended for use on gas fired appliances and non-permanent operation, as stated in clause 9 of EN 298. The control(s) are provided with an enclosure and they are intended for installation within an appliance enclosure.

Approved models

S4560 A/B/C/D/E/M/P/Q xxxx

S4561 A/B/P/X xxxx(2) revII

Examination reports

115657/4 dated April 2007

119643/5 dated April 2007

List of all available types:

S4560 A xxxx	S4560 B xxxx	S4560 C xxxx	S4560 D xxxxx	S4560 E xxxx	S4560 M xxxx	S4560 P xxxx	S4560 Q xxxx
S4560 A 1008	S4560 B 1006	S4560 C 1004	S4560 D 1002	S4560 E 1009	S4560 M 1002	S4560 P 1005	S4560 Q 1003
S4560 A 1024	S4560 B 1006LF	S4560 C 1012	S4560 D 1010		S4560 M 1010	S4560 P 1013	
	S4560 B 1022	S4560 C 1038	S4560 D 1069		S4560 M 1036		
	S4560 B 1030	S4560 C 1053	S4560 D 1077				
	S4560 B 1048	S4560 C 1061	S4560 D 1101				
	S4560 B 1055	S4560 C 1079	S4560 D 1119				
	S4560 B 1063	S4560 C 1087	S4560 D 1127				
	S4560 B 1089		S4560 D 1135				
			S4560 D 1143				
			S4560 D 1150				
			S4560 D 1176				
			S4560 D 1184				

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S4561 A xxxx	S4561 B xxxx	S4561 C xxxx	S4561 D xxxxx	S4561 P xxxx
S4561 A 1007 (2)	S4561 B 1005	S4561 C 1003	S4561 D 1001	S4561 P 1004 (2)
S4561 A 1015 (2)	S4561 B 1005(2)		S4561 D 1019	
S4561 A 1023 (2)	S4561 B 1013(2)			
S4561 A 1031 (2)	S4561 B 1039(2)			
	S4561 B 1047(2)			
	S4561 B 1054(2)			

**S4560 A/B/C/D/E/M/P/Q xxxx (report 115657)**

Specifications:

Electrical supply : 220 V (-15%) .... 240 V (10%), 50 Hz (+/- 2 Hz)  
 Power consumption : max 10 VA  
 Ambient temperature : 0 °C .... + 60 °C (A/B/C/D/E/P/Q series)  
 -20 °C .... + 60 °C (M series)  
 Flame detector device : ionisation  
 Minimum flame current : 0.7 µA (A/B/C/D/E/P/Q series)  
 1 µA (M series)  
 Applied technology : electronics  
 IP protection degree : IP 00

Outputs:

Gas valve(s) : max. 1A, cos φ = 0.6  
 Fan output (if applicable) : max. 1A, cos φ = 0.6  
 Alarm output : max. 1A, cos φ = 0.6  
 Flame indication relay : max. 1A, cos φ = 0.6  
 External ignition transformer : max. 1A, cos φ = 0.6 (A/B/C/D/E/P/Q series)  
 max. 1A, cos φ = 0.4 (M series)  
 All outputs together : max. 3 A

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Examination report(s):

115657/4 dated April 2007

119643/5 dated April 2007

Times (depending on Order Specification Number) :

Safety time : 2 .... 250 s  
Reaction time after flame failure : max 1s  
Self Check/Waiting/Prepurge time : 0 .... 30 s

Behaviour after flame failure:

Recycling 1x (except models 'E') followed by non-volatile lockout (models 'A','B','C','D','E' and 'M') or volatile lockout (models 'P','Q','R' and 'T')

Special conditions:

None

**S4561 A/B/C/D/P xxxx (report 119643)**Specifications:

Electrical supply: 220 - 240 Vac 50 Hz.  
Ambient Temperature: 0 °C to +60 °C.  
IP protection degree: IP 00  
Flame detection: Ionisation  
Applied technology: Electronics

Outputs:

Gas valve output: 220 - 240 Vac / max. 1.0 A.  $\cos \varphi = 0.6$   
Alarm output: 220 - 240 Vac / max. 1.0 A.  $\cos \varphi = 0.6$  or max 1 mA (e.g. neon light)

Times:

Waiting time: Depends on model: see Honeywell survey list in report 119643  
Safety time: Depends on model: see Honeywell survey list in report 119643.

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**Special conditions:****S4561 B 1047 (2):**

The Honeywell burner control unit S4561 B 1047 energises an separate external ignition device by means of the on-board flame relay (connector X2) The external ignition device is (de-)activated by means of the NC contact of the flame relay (connector X2, pin 1). In such a case, not any other (active) connections are to be made to the flame relay of the S4561B 1047 or to the external ignition device.

**Attention!**

In case of external connections, (other than a separate external load; e.g. ignition device) connected to the NO and/or NC contacts of the flame relay of the S4561 B 1047, hazardous situations can occur.

In such a case, the application of the flame relay of the S4561B 1047 and the circuit diagram of the complete appliance in which the S4561B 1047 is used shall be approved separately by an European Notified Body for the Gas Appliances Directive

**Note:**

It has been agreed by Gastec and Honeywell to implement an improved procedure for registering non safety-critical extensions to the product series. (see agreement agreements in "verslag bespreking Honeywell-Gastec d.d. 1 april 1999")

Basically Honeywell decides the need for testing by Gastec. Testing by Gastec is necessary for all modifications/extensions, which affect product safety. If testing is not needed, Honeywell notifies Gastec of the series extension and uses the existing PIN number to mark the product(s).

Registered types are monitored and confirmed by Gastec to Honeywell. Gastec will monitor the entire process and update the report twice a year. Safety relevant modifications remain under individual testing/certification by Gastec.

Based on the modifications described by the manufacturer, Gastec has no objection against marking of the product as specified in the enclosed O.S. survey list with the existing PIN of the existing product series.

The relevant documentation in the applicable CE reports of the product series will be updated during the coming periodic update of the CE reports of these products.