

Number **E 3070**



GASTEC Certification B.V., hereby declares
that the **Automatic burner control systems serie**

EC 78xx

made by **Honeywell**

in **Golden Valley, USA**

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

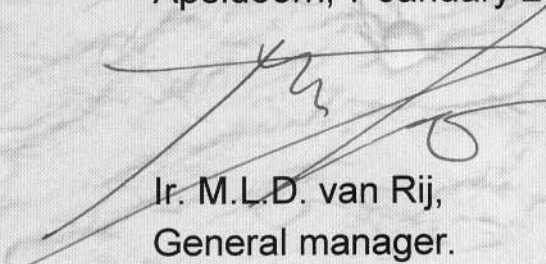
The compliance is based on examination to:
EN298 (1993)

PIN : 0063AP3070/1
Report number : see appendix to certificate

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

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

Apeldoorn, 7 January 2002



Ir. M.L.D. van Rij,
General manager.

GASTEC

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EC TYPE-EXAMINATION CERTIFICATE: E 3070

Appendix no.: 1
Dated: 19-12-2001
P.I.N.: 0063AP3070/1
Examination report(s):
115679 dated Oct. 1994
115679/119692 Dec. 1997
115679/1 dated Dec. 2001

This appendix supersedes appendix no. 1 dated Dec. 2001.

Scope:

The Honeywell automatic burner control system(s), series RM/EC 78XX are intended for use on gas fired appliances for both permanent and non-permanent operation, as stated in clause 9 of EN 298. The control(s) are provided with an enclosure yet they are intended for installation within an appliance enclosure.

List of all available types:

EC 7810	RM 7810
EC 7820	RM 7820
EC 7830	RM 7830
EC 7850	RM 7850
EC 7865	
EC 7890	

Flame amplifier devices

	<u>Description</u>
R 7847A	Flame amplifier for rectification without dynamic selfcheck
R 7847B	Flame amplifier for rectification with dynamic selfcheck
R 7849A	Flame amplifier for ultra violet without dynamic selfcheck
R 7849B	Flame amplifier for ultra violet with dynamic selfcheck
R 7861A	Flame amplifier for ultra violet with dynamic selfcheck
R 7886A	Flame amplifier for ultra violet with dynamic selfcheck

Flame sensor devices

	<u>Description</u>
C 7008 / C 7009	Rectification Flame rod for use with R7847A
C 7027 / C 7035/C 7044	UV sensor (mini peeper) for use with R7849A/B
C 7061	UV detector with self check for use with R7861 A
C 7012A,C,G	UV detector without self check for use with R7847 A/B
C 7076A	UV detector with adjustable sensitivity for use with R7886 A
C 7076F	UV detector with adjustable sensitivity and ex-housing for use with R7886 A

Optional components

	<u>Description</u>
Q 7800	Panel Mount sub base
ST 7800	Purge card selectable between 2 sec and 30 minutes
S 7800	Keyboard display module
S 7810A	Remote Modbus module
S 7810M	Remote Modbus module. Without reset
S 7820	Remote Reset module.

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Specifications:

Electrical Supply:	120 Vac/230 Vac 50/60 HZ
Ambient Temperature:	-40°C to 60°C.
IP Protection degree	IP00
Flame detection	Ionisation/Ultra Violet
Applied Technology:	Complex Electronics

Outputs RM 78xx:

EV1 gas valve output:	120 Vac / max. 4.0 A @ Cos Φ = 0,5
EV2 gas valve output:	120 Vac / max. 4.0 A @ Cos Φ = 0,5
Fan output:	120 Vac / max. 4.0 A @ Cos Φ = 0,5
Shutter:	120 Vac / max. 0.5 A
Ignition:	120 Vac / max. 4.0 A @ Cos Φ = 0,5

Outputs EC 78xx:

EV1 gas valve output:	230 Vac / max. 4.0 A @ Cos Φ = 0,5
EV2 gas valve output:	230 Vac / max. 4.0 A @ Cos Φ = 0,5
Fan output:	230 Vac / max. 4.0 A @ Cos Φ = 0,5
Shutter:	230 Vac / max. 0.5 A
Ignition:	230 Vac / max. 4.0 A @ Cos Φ = 0,5

Note: Outputs applicable according type.

Times:

Waiting time:	10 s.
Flame Failure Response time:	1 or 2 sec. selectable.
1st Safety time:	4 or 10 sec. adjustable.
2nd Safety time:	4,5,6 or 7 sec.

The second safety time is equal to the main trial time (3 or 5 s) plus the flame failure response time (1 or 2 s)

Behaviour after flame failure:

Selectable	Safety shut down followed by recycling (1x) or Immediate non-volatile lock out.
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