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EC TYPE-EXAMINATION CERTIFICATE: E 2200 – 0063BT1754

Appendix no.: 1

Dated: May 2008

P.I.N.: 0063BT1754

Examination report(s):

123745 dated May 2008

123745/2 dated March 2009

123745/3 dated May 2010

**Information for all Notified Bodies**

Information on the EC type-examination certificate, issued by  
GASTEC Certification BV, P.O. Box 137, 7300 AC Apeldoorn, The Netherlands

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File no.: 0063/E2200/123745

dated: May 2010

FIREYE Inc. automatic burner control system(s), Series BurnerLogiX series.

Scope:

The FIREYE Inc. automatic burner control system(s), Series BurnerLogiX, are intended for use on gas fired appliances and permanent operation, as stated in clause 9 of EN 298.

The control(s) are provided with an enclosure and are intended for installation within an environment meeting the requirements of EN 60730-1 (2000) for pollution degree 2.

List of all available types:

YB110UV	120VAC UV
YB110UVSC	120VAC UV self check
YB110IR	120VAC IR auto-check amplifier
YB110IR2	120VAC input with IR auto check filter amplifier (Increased sensitivity)
YB230UV	230VAC UV
YB230UVSC	230VAC UV self check
YB230IR	230VAC IR auto-check amplifier
YB230IR2	230VAC input with IR auto check filter amplifier (Increased sensitivity)
ZB110UV	120 VAC UV
ZB110UVSC	120 VAC UV self check
ZB110IR	120 VAC IR auto check-amplifier
ZB110IR2	120 VAC input with IR auto-check filter amplifier (increased sensitivity)
ZB230UV	230 VAC UV
ZB230UVSC	230 VAC UV self check
ZB230IR	230 VAC IR
ZB230IR2	230 VAC input with IR auto-check filter amplifier (increased sensitivity)
YB110DC*	120VAC Direct Coupled
YB230DC*	230VAC Direct Coupled
YB110FR	120VAC Flame Rectification
YB230FR	230VAC Flame Rectification

\*The scanners to be used with the YB110DC and YB230DC are the Phoenix Models 85UVF4-1QDWR, 85IRF4-1QDWR, 85UVF4-2QDWR, and 85IRF4-2QDWR, or any Insight scanner, 95UV, 95IR, and 95DS, with suffix S1 or S2 used with one of the following cable assemblies:  
59-497-XXX-WR, 59-497-XXXC-WR, 59-497-XXXR-WR, 59-497-XXXRC-WR.

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Accessories:

BLV512	VFD Display
BLL510	LCD Display
60-2810-1	YB Pigtail wiring base
60-2812-1	YB Closed wiring base
60-2814-1	YB Open wiring base
60-2850-1	ZB Pigtail wiring base
60-2852-1	ZB Closed wiring base
60-2854-1	ZB Open wiring base
YP 113	Programmer
YP 115	Programmer
YZ300	Interlock Annunnciator Module for YB110 or ZB110.
YZ320	Interlock Annunnciator Module for YB230 or ZB230
60-2871-1	Wiring base, terminal blocks, closed with knockouts
60-2874-1	Wiring base, terminal blocks, open end

Specifications:

Electrical supply:	110 VAC or 230 VAC depending on type , 50/60 Hz.
Ambient Temperature:	-40 °C to +60 °C.
IP protection degree:	IP 20
Flame detection:	UV or IR depending on type
Applied technology:	Complex Electronics

Outputs:

Ignition output:	4.5 A max
Pilot output:	4.5 A max
Main output:	4.5 A max
Delayed main output:	4.5 A max
Fan output:	9.8 A max
Alarm output:	50 VA max

Note: all connected loads together not to exceed 2000 VA

Times:

Flame Failure Response Time:	1,2 or 4 s depending on Programmer module.
Pre-purge time:	0 or 1s to 60 min in 15s increments
First safety time (PTFI):	5 or 10 s depending on Programmer module
Second safety time (MTFI):	0, 3, 5, 10 or 15 s depending on Programmer module and connection terminals used
Post-purge time:	15s to 60s in 5s increments

Behaviour after flame failure:

non-volatile lock-out.

Special conditions:

None