



Declaration CE of conformity

We :

APPARECCHIATURE ELETTRICHE DI SICUREZZA s.a.s

Via per S. Angelo 1, S. Giuliano Mil. (Mi) – Italy

www.aes-antideflagranti.it

Hereby declare that the product :

Acoustic signaller ETS 60 execution II 2G Ex d IIC T6
II 2 D Ex tD A21 IP 65 T85 °C

is in conformity with the following harmonized comunitary directives and with
the relevant national laws :

94/9/EC

and that the following harmonized standards have been applied :

EN 60079-0/ EN 60079-1/ EN 61241-0/ EN 61241/1

CE type certificate
INERIS 02ATEX0001

Notified body INERIS 0080 - Parc technologique ALATA France



S.Giuliano Mil. –Mi. 25-10-2010

Signature : G. Maragnani



ACOUSTIC SIGNALLER ETS 60

INSTALLATION AND MAINTENANCE INSTRUCTION in accordance to :
GENELEC EN 50.014 art.28

A.E.S via per S .Angelo,1-S.Giuliano Mil - Tel – 39029834794 – 0298232740

Fax – 39029834137 info @ aes-antideflagranti.it

Assures and guarantees that this product is built in according to : EN 60079-0 : 2006,
EN 60079-1:2004, EN 61241-0 :2006 , EN 61241- :2004 and the prototype in the laboratory
certificate Ineris.

The apparatus must be installed in conformity to the following :
EN 60079 – EN 60079-14 and EN 60079-17(Gas), EN 61241-14, EN 61241-17(Dust) or in accord
to the relevant national law.

SAFETY CHARACTERISTICS :

Group II category G D

Material destined to the surface industries with presence of explosive gas vapor and dust

Ex d IIC and dust EX tD A21

Class of superficial temperature of the housing determined by the inside electric apparatus
T6/T85 °C

Ambiente temperature: - 20 °C + 40 °C

Voltage : 24-48-110-230V AC/DC (see label)- Max Dissipated Power: 60 Watt

All this in accordance with ATEX 94/9CE specific for electrical apparatus destined to be used in
potentially explosive atmospheres.

NOTES FOR THE TECHNICIAN

INSTRUCTIONS FOR SAFETY AND SERVICE START UPthe entry of cable must be
achieved through joint block with cable gland or certification ex.
the thread of cable entry is identified by the letter after the type of device:

G = 3/4" GAS M = M 25 X1,5 mm N = 3/4" NPT

Connect to ground equipment using the appropriate terminals.

Use wire suitable for at least 1,5 section is to connect the stage as for the earth connection.

Before every opening of the housing be sure to remove the electric feed.

Before closing the enclosure check that joint were lubricated and free of foreign matters and
deformations.

Respect the electrical characteristics on the label.

The acoustic signaller in equipped with an internal temperature sensor with a threshold at 75°
which causes the power off when temperaturure rises about that.

There shall be no change in the material without the written permission of AES.

This electrical apparatus must be used for its intended purpose.

These operating instruction must be kept in safe place for later consultation.

Clean regularly to prevent the formation of dust layers over 5 mm.

These operating instruction must be kept in safe place for later consultation.

For skilled and experienced personnel according with the national laws, the relevant standards
and where applicable.

Disposal / Recycling :Disposal and recycling of the apparatus according to national regulations
for waste disposal and recycling.

**WARNING : DO NOT DISPOSE THE APPARATUS AND HIS COMPONENTS IN THE
ENVIRONMENT.**

THANKS AGAIN FOR PURCHASING OUR PRODUCT.

Cert. INERIS 02ATEX0001
EEx d IIC T6 IP 65 T85°C
II 2GD



ETS 60 (109 Db)

Voltage Vac/dc ± 10%	12 v	24 v	48 v	110 v	230 v
Frequency	Hz 50/60	50/60	50/60	50/60	50/60
Current	A 15,6	10	3,4	1,1	0,60
Sound level	Db 107	109	109	109	109
Acoustic freq.	Hz 1150	1250	1350	1300	1300
Interm. service	Min. 2 on	2 on	2 on	2 on	2 on
Weight	Kg/lbs 2,3/5	2,3/5	2,3/5	2,3/5	2,3/5
Colour	RAL 7000				

After unpacking the unit, check it for damage that may have occurred in transit. If the equipment has been damaged, do not attempt to install or operate it, file a claim immediately with the carrier stating the extent of the damage.

This electrical apparatus is not suitable to be installed in zone 0 and in zone 20.

This electrical apparatus is suitable to be installed in zone 1 and 2 and in zone 21 and 22.

This siren features oversized ball bearings which are lubricated for the life of the siren eliminating periodic maintenance.

WARNING : INTERMITTENCE SERVICE S3 type in according to:
EN 60034-1:1995+A1:1996

ON : 2 minutes OFF : 5 minutes

ACCESSORIES

EPOXYVINIL paint in a different RAL colours on demand

Adjustable support with fixing holes

Ex d cable gland

WARNING

Failure to follow all safety precautions and instructions may result in property damage, serious injury, or death to you or others. Peoples lives depend on your safe installation of our products. It is important to follow all instructions shipped with the products.

Read and understand all instructions before installing or operating this equipment.

Do not connect this unit to the system when power is on.

After installation, ensure that all mounting bolts are properly tightened.

After installation, test the energy warning system to ensure proper operation.

Shows these instructions to your safety Engineer and then file them in a safe place and refer to them when maintaining and/or reinstalling the unit.

A.E.S will service your equipment or provide technical assistance with any problem that cannot be handled locally.

Cert. INERIS 02ATEX0001



EEx d IIC T6 IP 65 T 85°C II 2 GD

ETS 60 (114 Db)

Voltage Vac/dc ± 10%	12 v	24v	115v	230v
Frequency	Hz 50/60	50/60	50/60	50/60
Current	A 11,7	5,9	1,6	0,9
Power	W 140	140	200	200
Sound level	Db 114	114	114	114
Acoustic freq.	Hz. 650	650	650	650
Interm. service	Min. 2 on	2 on	2 on	2 on
Weight	Kg/lbs 2,5/5	2,5/5	2,5/5	2,5/5
Colour	RAL 7000			

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