

TELEINDUSTRIA srl

phone: ..... +39 02 45 71 37 29

email: ..... sales@teleindustria.it

website: ..... [www.teleindustria.com](http://www.teleindustria.com)

## Explosion-proof combined Alarm Siren + LED Flashing Beacon integrated telephone interface model SAL590T

### PHONEALERT-Ex®



Ex d body: .....aluminium light-alloy  
Painting:..... Orange RAL2003 (other colors on demand)  
Wall brackets:.....stainless steel  
Lens:.....tempered glass  
Cone: ..... plastic  
Termination:..... screw terminals  
Weight: ..... 15 kg  
IP-rating:.....66  
Power voltage:..... 230Vac  
Dimensions:..... **286 x 440 x 377 mm**  
Cable inlets:.....nr. 2 threaded holes 3/4" NPT  
Cableglands:..... not included  
Range of Temperatures:..... -20°C +60°C

#### ATEX PROTECTION and CERTIFICATES

II2GD Ex db IIC T5 | Ex tb IIIC T85°C IP66  
II2GD Ex db IIC T6 | Ex tb IIIC T100°C IP66  
**Ex certificate: ICEPI 13ATEX03C007X**

II2G Ex db IIC T6 – IP66  
II2D Ex tb IIIC T85°C  
**Ex certificate: ICEPI 13ATEX03C004**

The **PHONEALERT® SAL590T** is an explosion-proof combined **OPTICAL & ACOUSTIC** alarm and signal device. It can be used both for **General Alarms** and/or for **Repetition of Telephone Calls** in noisy areas.

The circuit can be settled to work as an **Alarm Siren + Flash** (the sound & flash starts when the equipment receives the voltage 230Vac) or as a **Telephone Call Repeater** (the sound and flash starts when the equipment detects the ringing voltage on the telephone line). It means that, when using the device for telephone calls repetition, **you do not need to install an external "telephone relay"** to activate the **SAL590T**.

#### ACOUSTIC SECTION (25W - 118 dB at 1 m)

The industrial tropicalized electronic module (working conditions -40°C +70°C – 98% humidity) is capable to generate up to **8 melodies** selectable by DIP-Switch. Volume can be pre-settled through an internal trimmer, and it can work in auto-increasing mode (start low and increasing step by step up to the pre-set value). It can be settled in such a way that it will ring at the same cadence of telephone-rings (**synchro mode**), or with its own cadence also during pauses between rings (**asynchro mode**).

#### OPTICAL SECTION (5 Joules)

It is equipped with an industrial tropicalized electronic circuit (working conditions -40°C +70°C – 98% humidity) driving a 4 LED strips. The flashing lamp is activated by a command coming from the acoustic section. Normally delivered with **white lens**, it is available on demand with **Yellow, Orange, Red, Blue, Green lens (Y-O-R-B-G)**

As an option (selectable by internal DIP switches) the 4 LED lamps-strips can be activated in a sequence, to provide the same **visual effect as a rotating lamp**, although there is no mechanical organ in motion.

#### TELEPHONE INTERFACE

Call Voltage: .....30÷100 Vac 25-50 Hz  
Ringer impedance: ..... >10kΩ

#### ORDER CODES

SAL590T-230CA: ..... LED lamp – 230Vac  
SAL590T-24CC: ..... LED lamp – 24Vdc  
SAL590T-48CC: ..... LED lamp – 48Vdc  
Add the letter Y-O-R-B-G to select the lens color.

XCS-184-1A: .....spare LED electronic card  
XCS-121-30-1A: .....spare acoustic signaler electronic card