



## Autodial TSA5100-PSTN

### Highlights

- PSTN Emergency Phones for lift produced since 1997
- Industrial construction designed for the lift environment (vibrations, humidity, temperature)
- Up to eight Autodial TSA5100-PSTN on one PSTN using a cost effective LineSaver (see accessories)
- Easy programming and identical to the Autodial TSA5110-GSM (makes easier to use both types)
- Very easy and fast installation (industry leading using "drop'n go")
- Conformity to EN 95/16, EN 81 28, EN 81 70, EN 81 72 and CE
- Very high sound quality (power up to 4 Watt rms)
- Adoptive to different Protocols (default: TeleTech Plusprotocol)
- Backup battery feasible to include emergency Light

### The AutoDial concept

TeleTech developed back in 1997 a Telealarm especially fitted for modernisation of lifts. Denmark did decide same rules for new and existing lifts at that time. TeleTech pioneered with the "Drop'n Go" concept where the AutoDial is placed on the top of the lift for fast installation with a minimum of mechanical preparation. The installation time can be as low as 20 minutes.

### Product homogeneity

The PSTN and GSM AutoDial versions are basically identical apart from a GSM-module. This means that all programming is identical and so is the installation apart from connection either a PSTN-line or an Antenna.

### The AutoDial TSA5100-PSTN

The GSM-module inside the Autodial TSA5110-GSM represents the only difference. Because there is no GSM programming the programming and installation procedures are identical except for the antenna vs. the PSTN line. The AutoDial conforms to all relevant Regulations and Norms (EN 81 28/70/72 etc.). Even when installing an AutoDial TSA5100-PSTN wired up to conform to EN 81 28 the wiring is simple and with few wires. A simple installation requires only three cables, a connection to 230 VAC, connection of the PSTN-line, and connection to the emergency push button (shielded cable not required). Only remaining work is to place the microphone and in such cases not more than 20 minutes is required for such a minimum installation.

### Up to 8 lifts on same PSTN-line

More Autodial TSA5100-PSTN on the same PSTN-line is very easy to install using the optional LineSaver. No power supply is required for the LineSaver. The wiring can be done using standard telephone cables (no polarisation or topology precautions). Use of the LineSaver conforms to EN 81 28.

### PSTN or GSM?

The choice can be difficult and the conditions vary from country to country. In hilly countries fixed lines tend to be expensive with a cost advantage for GSM communication as a result. It is also important to know who to pay for the installation of a PSTN line. Another disadvantage with fixed lines is the fact that delivery time can be considerable from the Telecom company thus the lift cannot be approved. In such cases a GSM solution can be used to get the approval and then replaced by the PSTN line once available. Same concept can be used in lifts that are used during building construction.

### **Quality**

Choosing a telealarm from TeleTech is to put all over quality in focus.

### **Quality in sound**

All TeleTech telealarms feature an output power in the range of 3 to 4 watt RMS (programmable). This assures sufficient sound power even in very noisy lifts and/or big lifts. Through careful design of the output stage the sound quality is considered among the best in the industry with high background noise suppression and extremely low distortion. If sound quality is not important for an emergency phone then what is? The sound power and quality is one of the reasons for TeleTech not to use line powering.

### **Quality in design**

TeleTech uses design rules from industrial telecommunication and not to any extent consumer products. The industrial design secures products 10 years lifetime at least. Components are carefully selected in terms of ratings. The EMC is measured to the hardest specifications both on radiation and emission.

### **Quality in self test**

A non working telealarm is of little use. The AutoDials from Teletech feature a profound self test. The self test includes an acoustic test where the microphone must "hear" a test tone from the loudspeaker. This makes the self test more complete. The background test can be adjusted to every 24 hours and every 72 hours (the latter demanded by EN 81 28). The self test also includes backup battery test. This is not just testing the tension. The battery is under a test load when measuring and a failure provokes a technical call.

### **Some more features**

The Autodial TSA5100-PSTN is like the GSM-version well designed for modernisation. A popular feature is that the internal backup battery can be used for the emergency light where such backup is not available (modernisation of elder lifts)

### **Transmission safety**

Like standard modem transmission this DTMF transmission provides a potential risk of short drop outs. To counteract this when using protocol communication TeleTech uses check sum. This counteracts loss of data while using protocol.

### **Technical specifications**

#### **Physical**

Dimensions: 273mm(L)x147mm(B)x72mm(H)

Weight: 3kg incl. battery

Material: 1,5mm aluminium

#### **Surroundings**

Operation Temperature: 0 - 50° C

Storage Temperature: 20 - 40° C

Humidity: 0 - 80 % noncondensing

#### **Electrical connections**

Power: IEC-connector (EN 60.320, BS 44918)

I/O: 14 pins screw- Terminal

RJ-11 Telephone Plug 6/4

Microphone: Jack Plug 3,5mm, 2-poles

External Loudspeaker: as above (8 - 32 Ohm)

Under Car Extension:

Jack Plug, 3,5mm 3-poles

#### **Power**

Supply: 230 VAC

Alternative power supply available on request:

12 to 30 VAC

Main Fuse: 100 mA (SLOW)

#### **Backup Battery**

Type: 12V/2Ah lead accumulator

Fuse: 2A (SLOW)

Backup time:

8 Hours (no emergency light load)

#### **Accessories**

LineSaver (up to eight AutoDial TSA5100-PSTN on same PSTN-line)

Inductive Loop (passive, no amplifier required)

Under Car extension

External loudspeaker

Splash proof shield

Speech Module for "lift location" message

Speech Module for passenger information

Monitoring and Encoding software

#### **About us**

ABP TeleTech A/S was born in 1994 specialised in telecommunication and telemetry for industrial purposes. The management of TeleTech decided in 1997 to specialize on telealarms for lifts. The experience derived from the industrial sector is used in the construction of the telealarms, one of the reasons for the high level of quality in a product from TeleTech.

**During 2008 TeleTech produces telealarm number 50.000.**

#### **ABP TeleTech A/S**

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