

TeleTech a/s



Autodial TSA5110-GSM

Highlights

- Internal GSM module as an add on in the AutoDial TSA5100-PSTN (produced for years)
- Industrial construction designed for the lift environment (vibrations, humidity, temperature)
- Up to seven TSA5100 slaves on one Autodial TSA5110-GSM (means less SIM Card administration and cheaper installation costs)
- Easy programming and no extra GSM programming
- Automatic verification of field strength (delivered as SMS)
- 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 3 Watt RMS)
- Adoptive to different Protocols (default: TeleTech PlusProtocol)

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. 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 15 minutes.

Product homogeneity

As the PSTN and GSM AutoDial versions are basically identical the GSM-module inside the Autodial TSA5110-GSM repre-

sents the only difference.

Because there is no GSM programming the programming and installation procedures are identical except for the antenna vs. The PSTN line.

GSM as stand alone or Master-Slave

The Autodial TSA5110-GSM can be used as a "stand alone" which means one telealarm and one SIM-card. The Autodial TSA5110-GSM, however, can also be used as a master for up to 7 Autodial TSA5100 configured as slaves (Autodial TSA5100-slave). The advantage is that the Autodial TSA5100-slave are cheaper as the Autodial TSA5110-GSM and there will be only one SIM-card to administrate. The slaves are very easy to install. A two core cable (telephone cable) will do. There is no polarity or topooogy to respect. Using the Autodial TSA5110-GSM as single installation or as master the EN 81 28 is respected relative to the power backup that needs to be under surveillance and automatically tested. This is not always the case with standard GSM-converters.

Enough signal?

Today bigger towns and capitals are well covered with GSM signals and this is where most of the lifts are installed. In other words: The potential risk of too low signal is mainly related to basement areas. The field strength is very easy to measure. Place the Autodial at the top of the lift without *installing it*. Only connect the 230 VAC and the antenna. By use of a SMS one may "instruct" the Autodial TSA5110-GSM to measure the field strength on selected places. An SMS is sent back where the field strength is represented in a scale from 0 to 20 where 6 represents a minimum.

TeleTech AutoDial TSA5110-GSM

Why GSM?

There is a number of reasons: To the lift owner the GSM services are typically cheaper as the cost of a PSTN line. There are no installation costs and low fixed monthly cost if any. There is only the regular background call and an emergency call from time to time. In several European countries there are problems in terms of installation time for a PSTN line which is often remarkable. An Autodial TSA5110-GSM can also be used temporarily to get the lift approved while waiting for a PSTN line. There are countries in Europe where lifts in new house constructions may be used in case an emergency telephone is installed. In such cases the Autodial TSA5110-GSM can be used. And finally: In certain countries in Europe the telecom companies refuse to install a PSTN line for lifts because the cost is higher than the reward.

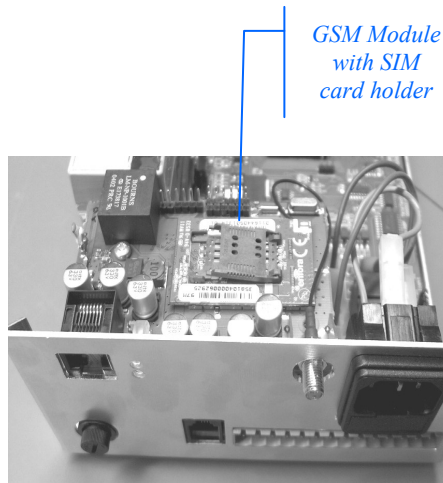
Some more features

Text messages are possible using the Autodial TSA5110-GSM. It is also possible to use the SMS service provided by the telecommunication company. The Autodial TSA5110-GSM reroutes the SMS messages to the selected mobile phone. This could be a message telling that a limited talk permission is soon at its end. In general TeleTech does not recommend such cards. They represent an increased administration with the risk that a lift remain without communication capability for a long time. The background calls often "empty" a SIM-card faster than expected.

The Autodial TSA5110-GSM is equipped with a RS 232 C input. This input can be used to transmit data from the lift controller.

Transmission safety

Use of GSM 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

No. of GSM-modules per unit:	1
No. of slaves per TSA5110 GSM:	0-7
All over scanning time:	Max.20 sec.
Start-up time (power on):	Approx. 30 sec.
Antenna:	SMA female connector
RS232C:	RJ 45
Indicators:	1 red, 1 green LED
Power supply:	230 VAC

Accessories

- Inductive Loop (without amplifier)
- 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

Ringstedvej 29 · DK 4000 Roskilde

Phone: +45 46 30 07 20 · Fax: +45 46 30 07 21 · sale@abp-teletech.com · www.abp-teletech.com

Call us for distributor information!