

MSA 2

User's Guide



Telegärtner Elektronik GmbH

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Read the following precautions before you install the intercom system.

IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS. This manual contains important instructions that you should follow during installation and maintenance of the intercom system. Please read all instructions before operating the equipment and save the manual for future reference.

Lift Intercom System (MSA2)

These system provides an intercom connection between a telephone in the engine room an the lift emergency system NRT in the cabine.

This is very helpful e.g. while maintenance or installation works.

The MSA2 comes in a plastic housing with integrated power supply. There are several connectors in the lower part of the MSA2 (see picture 1), TAE-connectors for lift phone and telephone, selector switch and modular connector for telephone line.

- Connect your telephone line (public telephone line or PABX) with either modular connector or the 2-pin connector right of them.
- Connect your engine room telephone set with connector TAE1.
- Connect the lift emergency call telephone NRT with either TAE2 or with the 2-pin connector left of them.
- The selector switch is if the communication time between engine room telephone and lift phone is restricted to 30 minutes or not. If switch is ON, communication time is restricted to 30 minutes. After that time a emergency call is possible, even if the engine room telephone is not on-hook. A renewed connection between engine room telephone to lift phone may established by on-hook and off-hook of the engine room telephone. If switch is OFF, there is no communication time limit, which may cause an always busy line by the MSA2.



How to establish an intercom connection

3. **Intercom connection with last used speech module and standard communication time:**
 - Off-hook your engine room telephone
 - lift phone NRT is called automatically
 - lift phone connects, answers with beep tone and enters voice communication a few seconds later.
 - Last used speech module will be the active module.
 - If NRT's communication time expires the NRT disconnect (or press key 0 on your telephone).
4. **Intercom connection with selectable speech module and maximum communication time:**
 - Off-hook your engine room telephone
 - lift phone NRT is called automatically
 - lift phone connects and answers with single beep tone
 - now enter access code (default: 0000) immediately
 - the correct access code will be acknowledged by a single beep tone
 - enter command sequence #*07 to enter voice communication with last used speech module
 - lift phone enters extended voice communication with maximum communication time of 30 minutes.

The following key-commands may be used now:

| key | comment |
|-----|--|
| 1 | Select speech module #1# (e.g. lift cabine) |
| 4 | Select speech module #2# (e.g. lift top) |
| 7 | Select speech module #3# (e.g. lift bottom) (not available at NRT2 lift phone) |
| 0 | cancel speech mode, clear the alarm memory and disconnect |

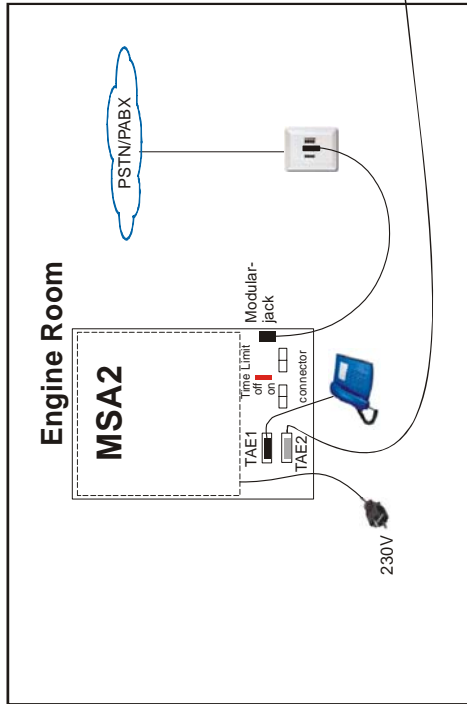
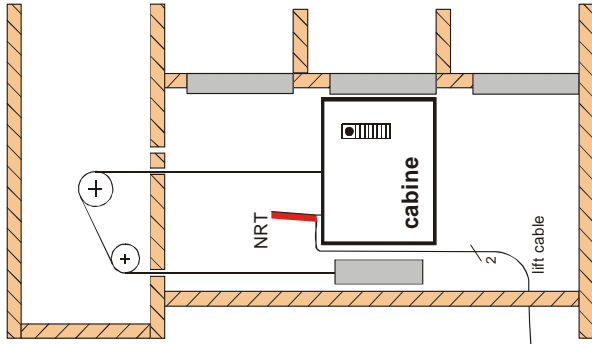
Modell: MSA2
Input: 230VAC 50/60Hz 5W



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Pic 1: MSA2 with opened front cover

The MSA2 were designed for wall mounting, and should be mounted near the lift emergency phone connector in the lift engine room. A standard dial tone telephone is used as engine room telephone.



How to establish an intercom connection

After installing and connecting the components you can establish an intercom connection **ONLY BY ENGINE ROOM TELEPHONE**.

There are the following possibilities:

1. Intercom connection with last used speech unit and with standard communication time:

- Off-hook your engine room telephone
- lift emergency phone NRT is called automatically
- NRT connects, answers with a single beep tone and after further seconds voice connection will be established.
In this case the last used speech unit is selected and the maximum communication time equals the communication time set in the NRT
- If the communication time expires, the NRT disconnects
- On-hook your engine room telephone

A new intercom connection may be established again as described.

2. Intercom connection with selectable speech unit and maximum communication time:

- Off-hook your engine room telephone
- lift emergency phone NRT is called automatically
- NRT connects and answers with a single beep tone
- now enter access code (default: 0000) immediately
- the correct access code will be acknowledged by a single beep tone. You are in lift phone's programming mode now
- enter command sequence `#*07`
- NRT enters extended voice connection with maximum communication time (30 minutes)
- You may select the active speech unit by key 1, 4 or 7 (please also refer to NRT's User Guide)

Example:

| NRT | telephone | comment |
|---------------|------------------|---|
| | off-hook | NRT is called automatically |
| beep | | NRT connects to line |
| | 0000 | enter access code immediately after beep tone |
| beep | | NRT confirms right access code and is now in programming mode |
| | #*07 | |
| 4-tone-melody | | NRT enters voice connection |
| | 1 | select speech module #1# |
| beep | | |
| | 4 | select speech module #2# |
| beep | | |
| | 7 | select speech module #3# |
| beep | | |

Specifications:

Power Supply

| | |
|-------------------|-------------------|
| Nominal Voltage | 230VAC +5% / -10% |
| Nominal Frequency | 50/60 Hz |
| Input Power | 5 VA |

Environmental

| | |
|-----------------------|--|
| Operating Temperature | 0°C to 40°C (32°F to 104°F) |
| Storage Temperature | -15°C to 50°C (-5°F to 122°F) |
| Relative Humidity | 5 – 75% RH noncondensing |
| Ventilation | Air around the unit must be free of dust, chemicals or other materials that corrode or contaminate |

Wights and Dimensions

| | |
|------------------------|------------------|
| Case Material | plastic ABS |
| Dimensions (H x W x D) | 218 x 155 x 60mm |

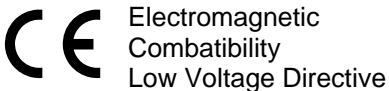
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- All energized products (especially when 110V/230V mains powered!) must be disconnected from the power supply before they are opened or wired.
- Damages and consequential damages caused by interference with or modifications to our products as well as by misuse are excluded from liability. The same is true for inappropriate storage or other outside influences.
- Working with 110V/230V mains voltage or handling mains- or battery powered products requires compliance with the relevant directives. Such work should only be carried out by an experienced specialist.
- Our product comply with all relevant technical directives and telecommunication regulations valid in Germany and the EU.



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