



TFA 614/624 with DKL 604

The tone sequence system is designed as acoustic support to the light signals for emergency vehicles as defined in the road traffic licensing regulations. Piercing and clear high-efficiency special signals, as well as the option to use public address and electronic compressor signals, provide an extra dimension to the visual warning systems.

TFA 614/624 with DKL 604 analogue version



TFA 614 with DKL 604 = tone sequence system with one pressure chamber loudspeaker 604
TFA 624 with DKL 604 = tone sequence system with two pressure chamber loudspeakers 604

TFA 614/624 with DKL 604 CAN447 version



PRODUCT FEATURES:

- highly efficient digital output stage
- because of its efficiency, the 624 tone sequence system is significantly louder than a typical 100 W tone sequence system
- integrated electronic compressor signal with homologation (TFA 624)
- special signal according to DIN 14610 with additional takedown signal (YELP) (TFA 624)
- internationally homologated tone sequences possible
- optimised for public address
- available in 12 V and 24 V
- analogue version: activation via individual switch, control units BE 200, BE 600 or hand-held control unit HBE Profi
- CAN447 version: activation via hand-held control unit HBE 300, HBE 304 or one of several mounting control units BE 300

TFA 614 / 624 with DKL 804

TFA 614 / 624 with DKL 804 Analogue version



TFA 614 with DKL 804 = tone sequence system with one pressure chamber loudspeaker 804

TFA 624 with DKL 804 = tone sequence system with two pressure chamber loudspeakers 804



Compared to the DKL 604, the DKL 804 can reach up to 1.5 dB more per pressure chamber loudspeaker.

TFA 614 / 624 with DKL 804 CAN447 version



Technical data:

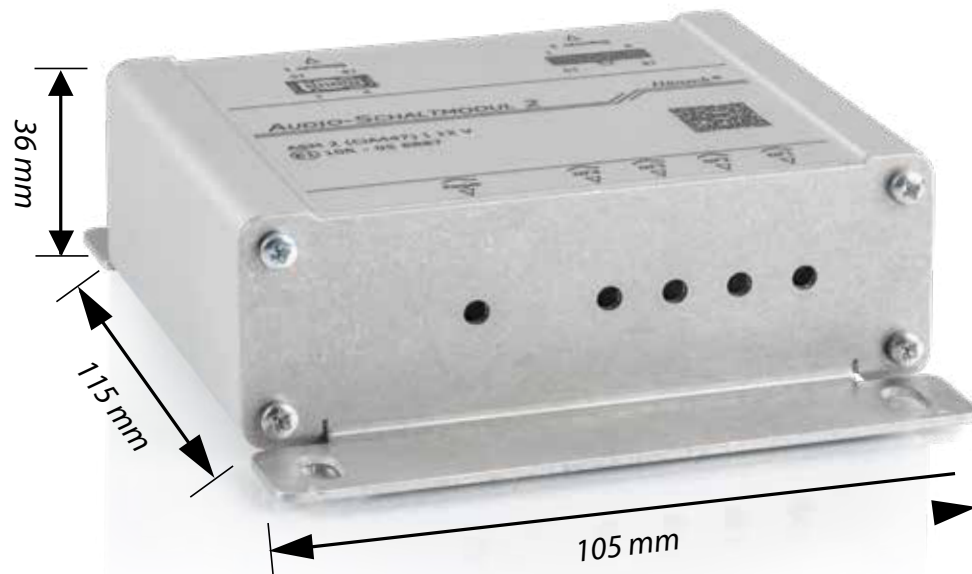
| | | |
|--|---|--------------------------------------|
| Designation: | Tone sequence amplifier 614 / 624 | |
| Voltage: | 12 V / 24 V | |
| Average power consumption: | 3.5 A (with TFA 624 12 V) | |
| Operating temperature range: | -40 °C to +80 °C | |
| Alarm part: | <ul style="list-style-type: none"> • special signal according to DIN 14610 • integrated electronic compressor signal (only with TFV 624) • takedown signal (YELP) adjustable (only with TFV 624) | |
| Designation: | Pressure chamber loudspeaker DKL 604 | Pressure chamber loudspeaker DKL 804 |
| Impedance: | 4 Ω | 4 Ω |
| Power rating: | 70 W | 70 W |
| Loudspeaker dimensions: | Ø 112 mm / depth: 69 mm | 145 mm x 145 mm / depth: 87 mm |
| Homologation: (Germany and international) | | |
| Acoustics according to TA32 and TA32a: | ~ W 25060 | |
| EMC according to ECE-R 10: | E1 10R-05 7535 | |
| Additional homologated, foreign tone sequences on request. | | |

Audio switching module 2 (ASM 2)

Emergency personnel, security staff or public utility workers: all of them are sometimes tasked with informing and warning the public. This can be required in a disaster situation, in traffic or in general deployment situations. Usually, the only way to do so is a public address microphone which is connected to the exterior loudspeakers of a tone sequence system.

If additional audio or low-frequency sources are to be imported, other media such as MP3 players or cellphones are usually at hand. For these devices the ASM 2 is the interface to the tone sequence or amplifier for public address.

The audio sources are selected via a CAN447 compatible control unit, routed to the amplifier's audio frequency inputs from the ASM 2 and played through the pressure chamber loudspeakers. Additionally, the ASM 2 offers the option of a 10-second voice recording which can be played in a continuous loop or alternately with the tone sequence. The flexibility and quality of audio frequency signal processing are two more assets completing this product.



PRODUCT FEATURES:

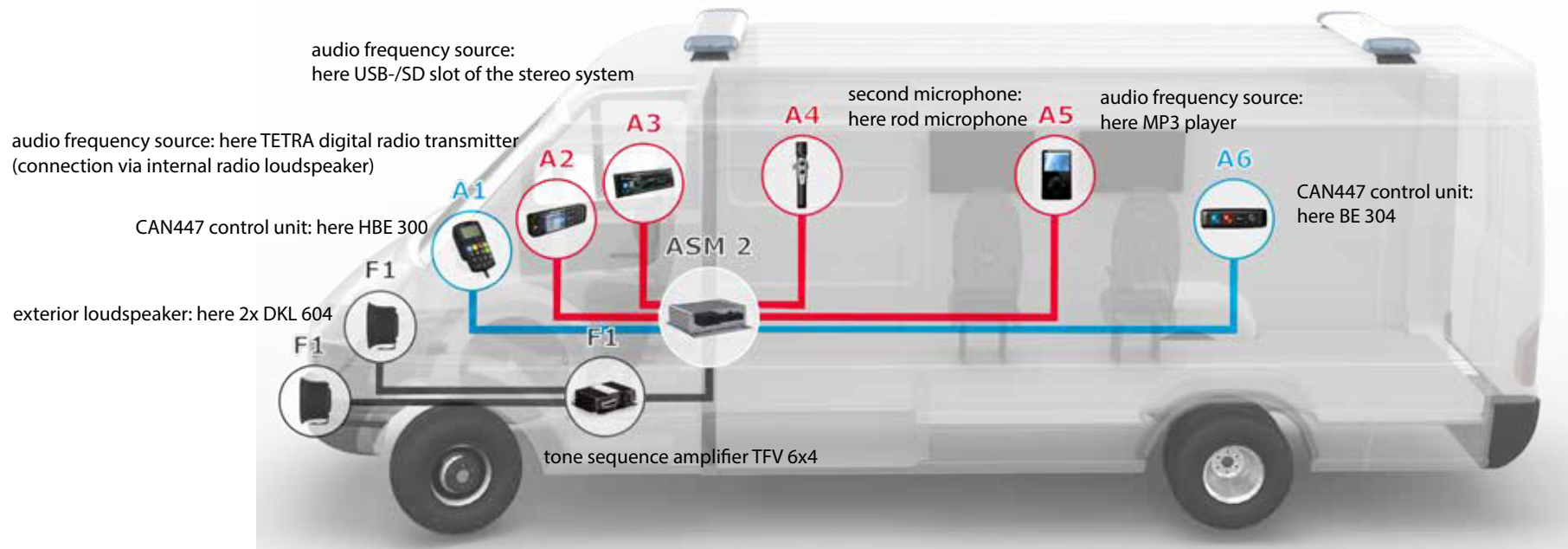
- CAN447 component
- use with TFV 6x4 12V/24V
- electrical connection available on the cable harness of the TFV 6x4, operation with HBE300 (integrated microphone + push-to-talk) or BE3xx + rod microphone
- tow mute outputs
- presetting the basic volume levels of the audio frequency sources on the unit

FUNCTIONS:

- switching between up to 4 audio frequency signal sources + 2 PTT microphones
- source selection, recording/playing of voice announcements and volume control via CAN447 control unit
- activation of the audio frequency paths is either line-controlled or via automatic level detection



Audio switching module 2



Possible applications in the command vehicle shown here:

From the inside of the driver's cab:

A1:

- command speaking
- recording voice announcements
- playing voice announcements
- playing voice announcements alternately with the tone sequence
- selecting the audio frequency sources or volume control via HBE 300

A2: selecting radio messages of the digital radio transmitter (may require additional devices) and transmitting them to the outside

A3: transmitting existing MP3 audio records to the outside

Functionality:

F1: transmission to the outside by the amplifier 6x4 via the exterior loudspeaker(s) 604

From the radio communication station

A4: command speaking

A5: transmitting existing MP3 audio records to the outside

A6: selecting audio frequency source or control volume via BE 304

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|--|-----------------|
| Homologation: (Germany an international) | |
| EMV nach ECE-R 10: | (E1)10R-05 8887 |