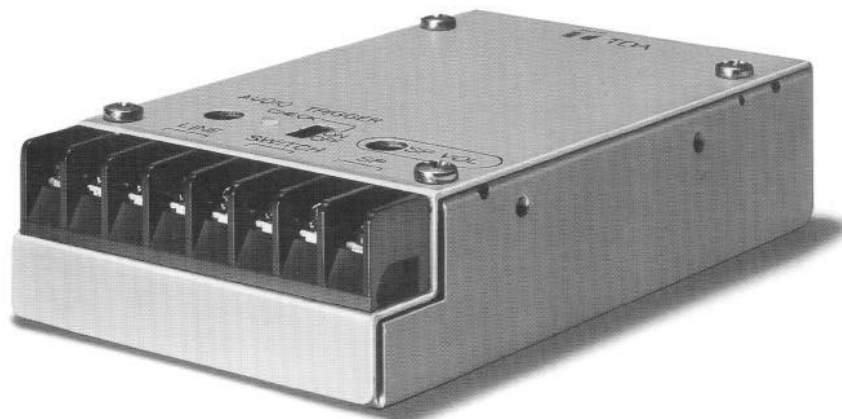# TOA INTERCOM SYSTEMS

TALK-BACK UNIT
TK-20

DESCRIPTION

The TOA TK-20 Talk-Back Unit is designed for use with the EXES-2000 and EXES-6000 intercom systems. When the TK-20 is connected to an external PA speaker, the speaker can function as a talk-back station (sub-station). The talk-back unit features an audio trigger function that acts as a voice sensor to allow calls to be made from the talk-back station to a registered master station. Calls to the master station are also possible by using an external switch that can be connected to the talk-back unit.

FEATURES

1. May be installed in a switch box or on a wall.
2. Talk-back communication capability.
3. Audio trigger function with voice sensor capability.
4. Call switch terminal provided.

TOA

SPECIFICATIONS

Applicable Exchanges	2-wire exchanges (EXES-6000/EXES-2000)
Usable Speaker	8 ohms, more than 1 watt
Conversation Method	Press-to-talk (call from hands-free station) Voice switch (call from handset station)
Maximum Input Level	+30 dBm
Audio Trigger Level	-70 dBV to -40 dBV (0 dBV=1V)
Call Switch Input	One shot make contact at no voltage (momentary type)
Transmitting Line	Non-polar 2-conductor cable
Current Consumption	17 mA
Ambient Temperature Range	0°C to 60°C (32°F to 140°F)
Finish	Zinc-coated steel plate
Dimensions	65 (W) x 28 (H) x 114 (D) mm 2.56 (W) x 1.10 (H) x 4.49 (D) inches
Weight	230g (0.51 lb.)

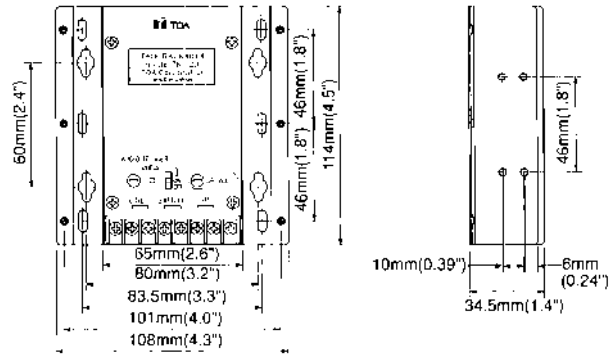*Specifications are subject to change without notice

ARCHITECTS AND ENGINEERS SPECIFICATIONS

The TK-20 shall be the talk-back unit for the EXES-2000 and EXES-6000 intercom systems. By connecting the unit to an external PA speaker, the speaker shall be able to function as a talk-back sub-station.
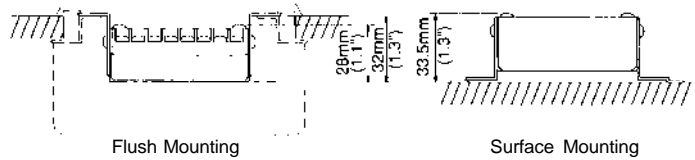The TK-20 shall be able to receive calls from a master station. It shall also be possible for TK-20 call-back unit to initiate calls to a registered master station in two ways, either automatically by means of a voice-sensor auto trigger function, or by use of an external switch connected to the talk-back unit.
The TK-20 unit shall be able to be mounted in a switch box or on a wall, with either standard metal mounting screws, or with two-sided adhesive mounting tape.

APPEARANCE AND DIMENSIONAL DIAGRAM

Wall Mounting Installation

Flush Mounting   Surface Mounting

TOA Corporation