TST-2000 MINI
Intercom system

Leveltec Oy is a telecommunications expert based in Mäntsälä, Finland with over twenty years of experience. Our company specialises in the design and production of specialised communication systems as well as remote monitoring and control systems. From the very beginning, **Leveltec Oy** has been investing in product development, with the company's own production accounting for over 90 per cent of the turnover. Continuous development ensures a long product life cycle, while maintenance provided by the company itself ensures competitive pricing. Our main products include the SL1000 intercom system, the CCS-2000 guard alert system, the TST-2000 MINI announcement communication system, as well as the PROMOD-GSM products.

1. GENERAL DESCRIPTION

The TST-2000 MINI announcement communication system is designed for communication in demanding conditions. The core of the system is the TST-2000 MINI central unit to which a total of six phone terminals can be connected. There are separate phone terminal models available for indoor and outdoor use. Additionally, the central unit can be connected to up to five loudspeakers, through which announcements can be made using the EFP-934-DT-M indoor terminal. The system uses "push-to-talk" (PTT) type terminals, which means that connecting to the other terminals in the system is as simple as pushing a button and talking. The message can then be heard on all the terminals connected to the system. Conversations between two terminals are half-duplex, which means that the parties talk and listen in turns (not simultaneously).
Applications for the TST-2000 MINI intercom system include various cranes, ships, armoured vehicles and production facilities.

2. TST-2000 MINI central intercom unit (product no. 752385)



Head Office/Factory: Phone 019-6888 270
LEVELTEC OY Fax 019-6888 240 www.leveltec.fi
Hirvihaarantie 368 Tel +358 19 6888 270 leveltec@leveltec.fi
FIN 04680 HIRVIHAARA Fax +358 19 6888 240

- The TST-2000 MINI central unit can be connected to up to six intercom terminals and five loudspeakers (70 V, 20 W max, connected in parallel) for making announcements.
- The central unit is encased in a durable ABS plastic housing, which measures 390 x 365 x 165 mm (width x height x depth) and weighs about 4.3 kg. The housing is designed for wall mounting.
- Five cable glands are fitted at the bottom of the housing for connecting cables and relieving strain on the connections (suitable for cable diameters 5–10 mm).
- The operating voltage of the intercom system is 24 V DC, 4 A.

3. INTERCOM TERMINALS

3.1. EFP-934-DT DESKTOP TERMINAL **(product no. 752015)**



- EFP-934-DT is the system's basic terminal for indoor use. The DT has one PTT button and volume adjustment for incoming speech.
- It is housed in a plastic case which can be either desk-mounted or wall-mounted using the SL1000 WB wall bracket.
- Dimensions: 205 x 85 x 147 mm (W x H x D), weight c. 0.8 kg
- The DT has a 0.5 m phone cable fitted with an RJ45 connector. The DT is supplied with an RJ45 wall socket for connecting the device.

3.2. EFP-934-DT-M DESKTOP TERMINAL **(product no. 752016)**



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- The EFP-934-DT-M is designed for indoor use.
- In addition to a built-in microphone, the DT-M has a 30 cm long external gooseneck microphone with a connecting cable (length about 10 m). The gooseneck microphone is to be mounted in a 10 mm hole on a surface of up to 4–5 mm thick and fastened with a nut from below.
- The DT-M has two PTT buttons and volume adjustment for incoming speech.
- One of the buttons can be used to talk to the other terminals in the system through the built-in microphone; the other button can be used to make announcements through the loudspeakers connected to the central unit by speaking into the built-in microphone.
- The external microphone can be used in the same way as the built-in microphone if external PTT buttons are connected to the terminal (external PTT buttons are not supplied with the DT-M). External PTT buttons activate only the external microphone.
- The DT-M is housed in a plastic case which can be either desk-mounted or wall-mounted using the SL1000 WB wall bracket.
- Dimensions: 205 x 85 x 147 mm (W x H x D), weight c. 1.7 kg
- The DT-M has a 0.5 m phone cable fitted with a junction box, where the cables from the central unit, external microphone and external PTT buttons are connected. The junction box houses a screw terminal.
- ATTENTION! The additional functionalities of the DT-M (as compared to the DT) are activated only when the device is connected to the first channel of the central unit. When connected to other channels, the DT-M works no differently from the DT.





CPL D33 gooseneck microphone **(product no. 352970** as separate order)

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LEVELTEC OY Fax 019-6888 240 www.leveltec.fi
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3.3. EFP-934-DT OUTDOOR TERMINAL **(product no. 752014)**



- The EFP-934-OT is designed for outdoor use in demanding conditions. The OT is fitted with rain covers to prevent rainwater from reaching the speaker and microphone.
- The device is housed in a durable cast aluminium casing, which will survive strong impact.
- The OT is designed for wall mounting.
- Dimensions: 125 x 250 x 95 mm (W x H x D), weight c. 1.9 kg
- In the OT, the cable from the central intercom unit is to be connected to the screw terminal inside the device itself. Two cable glands are fitted at the bottom of the casing for connecting cables and relieving strain on the connections (suitable for cable diameters 5–10 mm).
- For connection to a loudspeaker, the OT houses a connector for a 70 V speaker line. A 70 V speaker line can run in the cable from the central unit to the connector located inside the device, allowing the loudspeaker to be wired to the same connector. This way a separate cable does not have to be installed from the central intercom unit to a loudspeaker mounted near the OT terminal; the connections inside the terminal remain dry and clean.
- The OT has one PTT button. The volume of incoming speech can be adjusted inside the terminal using a tool.

Head Office/Factory:
LEVELTEC OY
Hirvihaarantie 368
FIN 04680 HIRVIHAARA

Phone 019-6888 270
Fax 019-6888 240
Tel +358 19 6888 270
Fax +358 19 6888 240

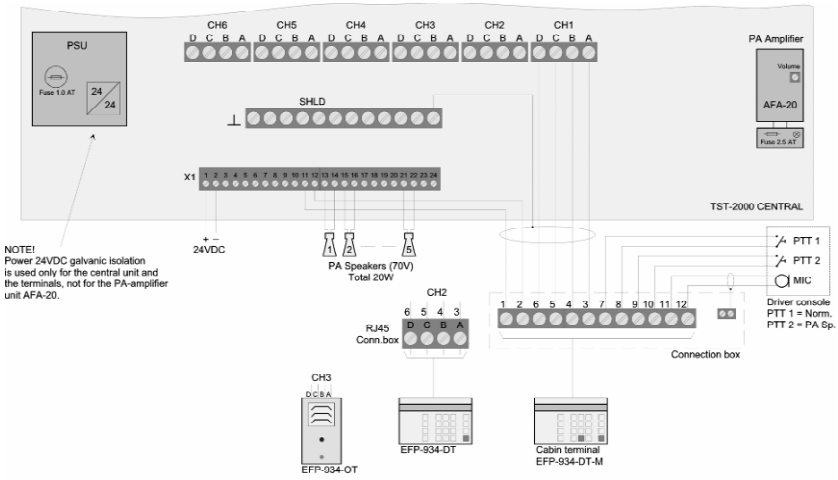
www.leveltec.fi
leveltec@leveltec.fi

4. HORN LOUDSPEAKER LBC 3481 (product no. 352956)



- The LBC 3481 is a horn loudspeaker for outdoor use.
- Dimensions: 156 x 173 x 184 mm (W x H x D), weight c. 1.25kg
- The length of the connection cable on the LBC 3481 is about 2m.

5. SCHEMATIC DIAGRAM



Design, production and sales

Hirvihaarantie 368, 04680 Hirvihaara, Finland
Phone: +358 19 688 8270, sales: leveltec@leveltec.fi, www.leveltec.fi