



ELECTRONICS INDUSTRY AND TRADE INC.

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## **GETA 1000 CENTRAL ALARM MONITORING DEVICE**

### **USER GUIDE**

The GETA 1000 Central Alarm Monitoring Device will be referred to as 'GETA 1000' in the following descriptions.

To operate the GETA 1000 device efficiently, the information below must be carefully read and followed.

GETA 1000 is an alarm monitoring center receiver unit. It receives information via telephone. It must have its own undecrypted telephone number. This device can receive and evaluate information from alarm control panels located in other areas or from telecommunication devices with compatible communication formats. It transmits the incoming information to a computer and printer using universal ASCII code. This information is stored on the hard disk of the computer via alarm monitoring center software. GETA 1000 can also work with dot-matrix printers only. The incoming information is recorded on the printer with the time and date. The operator's confirmation is also recorded on the printer.

Only one telephone line can be connected to GETA 1000.

Based on alarm traffic, up to 10,000 subscribers can be directed to it. Since information is received on the DTMF frequency, the information reception time is on the order of a few seconds.

### **HOW TO MAKE THE CONNECTIONS:**

**The GETA 1000** 's top cover is opened by removing the two screws located at the top front and top rear. Then, connections 1 and 2 below are made. Finally, the cover is closed.

#### **1- POWER CONNECTIONS:**

**a- 220 V AC CONNECTION:** The device's power cord is plugged into a grounded 220 V AC outlet.

**b -12V BATTERY CONNECTION:** On the GT4015 POWER SUPPLY board, connect the positive (+) terminal of the battery to the positive (+) terminal and the negative (-) terminal to the positive (-) terminal where it says 12V DC.

#### **2-TELEPHONE LINE CONNECTION:**

The connection is made to the terminal marked LINE on the GETA 2101 SIM CARD.

#### **3-PRINTER CONNECTION:**

Connection is made using a Centronics compatible accessory cable connected to the 25-pin D-connector (Male) located on the left side of the rear of the device.

#### **4-COMPUTER CONNECTION:**

The back of the device This is done with a serial RS-232 compatible accessory cable connected to the 9-pin D-connector (female) located on the right side. The other end of this cable is a 9-pin D-type connector. This end is plugged into the computer's RS-232 serial port.



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## EXPLANATIONS:

### 1-DISPLAY MESSAGES:

The following messages will appear on the first line of the display. The second line will show the time and date. The blinking cursor to the right of the second line indicates that the program is running.

- **"LINE FAULT"**: This message appears on the display if the PTT line is not connected when the device is first powered on, or if a PTT fault occurs while the device is operating normally.
- **"RECEIVER RUNNING"**: This message appears on the display when the device is operating normally. This means the GETA 1000 is ready to receive messages.
- **"PRINTER NORMAL"**: This message appears on the display when the printer is connected to the device and starts working normally.
- **"PRINTER ERROR"**: If a printer malfunction occurs while the connected printer is operating (cable disconnection, power interruption, running out of paper, etc.), this message will appear on the display. Simultaneously, this event will be announced audibly by a buzzer. The sound will stop when the malfunction is resolved, and the message "PRINTER NORMAL" will appear on the display.
- **"LOW BATTERY!"** This message appears on the display when the **220V** AC mains voltage is interrupted and the battery voltage drops to 10V. This event is also announced audibly via a buzzer.
- **"BATTERY NORMAL"**: This message appears on the display when the power is restored or the battery voltage rises above 10V. The buzzer also mutes.
- **"SET TIME & DATE"**: The time and date displayed on the screen will appear when you press the SET/NEXT button to change them.
- **"RINGING..."** : This message appears on the display when any subscriber calls GETA 1000 and the phone rings.
- **"IN COMMUNICATION"**: This message appears on the display when any subscriber calls GETA 1000 and GETA 1000 sends the 'handshake' frequency to that subscriber.
- **"9999 99"**: This message is a data signal in 4/2 format. The first four digits represent the subscriber's address, and the last three digits indicate the type of information received from that subscriber.
- **"9999 18130501001"**: This message is a data signal in "Contact ID" format. The first four digits represent the subscriber address, 18: Contact ID format, 1305: Alarm or event type, 01: Grouping, and the last three digits 001: Zone number or user number.
- **"FAUL DATA"**: This message appears on the display if the subscriber sends two consecutive messages that are not the same, or if any other phone subscriber accidentally calls this line.



## 2- THE MEANINGS OF LED LIGHTS:

- **"Alarm" LED:** When GETA1000 receives a message from any subscriber, the alarm LED lights up. Simultaneously, a buzzer announces this event audibly. The operator confirms the event by pressing the "**Reset**" button. In this case, the alarm LED turns off and the sound stops.
- **"Trouble" LED:** When the GETA1000 is operating normally, if the program does not run correctly, the automatic reset circuit resets the program. If there is a fault, the reset cannot occur. In this case, the Trouble LED illuminates, and a buzzer simultaneously announces the event audibly.
- **"Line" LED:** If the PTT (Turkish Post and Telegraph) line is disconnected for more than 3 minutes, the Line LED will also light up.
- **"DC" LED:** When lit Indicates the presence of either 220 V AC mains voltage or 12 V DC battery voltage.

## 3- THE FUNCTIONS OF THE BUTTONS:

- **"Reset" Button:** This button is pressed to silence an audible alarm (accidental or data transmission, etc.) on the GETA1000 and to acknowledge the event. The printer will print the time and date the button was pressed, along with the phrase "RECEIVER RUNNING".
- **The "Set / Next" button** is used to start setting the clock on the display and to scroll the cursor.
- **"Increase" Button:** Used to increase the values when setting the time on the display. Pressing it one at a time increases the values by one, while pressing it continuously increases the values.

## 4-TIME SETTING:

The second line of the display shows the time and date of the day.

When the device is first powered on, a time display will appear on this line as **00:00 01/01/00** . Here, the first two zeros represent the hour of the day, the last two zeros represent the minutes, and the two dots in between represent the seconds. Normally, these two dots should blink. This indicates that the clock is working. The last digit shows the date in day/month/year format.

HOW TO SET THE TIME:

- The COM button on the front of the device **is constantly pressed.** while being **held down** ;
- Pressing the "Set / Next" button once will display the message "SET TIME & DATE".
- By sliding the cursor from left to right using the "Set / Next" button, the number increases with each press of the "Increase" button.
- First, starting with the hour: set the hour using the Increase button, then move to the minute slot using the Next button, and set the minute again using the Increase button. The day, month, and year settings are done in the same way.
- Pressing the "Set / Next" button when the cursor is at the end will switch to "RECEIVER RUNNING" mode.
- If any settings are incorrect, the above steps will be repeated to correct the errors.
- **Important note! : During communication, the DISPLAY must display "RECEIVER RUNNING". The device will not communicate in "SET TIME & DATE" mode.!!**



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### OPERATING THE GETA 1000:

- All cable connections are made to the GETA 1000.
  - The time and date settings are configured on the DISPLAY.
  - The printer connected to GETA1000 is made operational.
  - The computer is started to switch to the AHM2009 software.
  - When the RESET button is pressed, the message "COM1PORT NORMAL" will appear in the AHM2009 software monitoring form. This means that GETA1000, AHM2009 software, and connections are functioning normally.
  - Then, a known message is requested from a known subscriber.
  - The subscriber makes the phone connected to the GETA1000 ring. During this time, the message "**RINGING...**" appears on the display.
  - When the phone rings twice, the GETA1000 line is answered. It sends the handshake frequency. During this time, the message "**IN COMMUNICATION**" appears on the display.
  - If the subscriber likes the handshake frequency, it starts sending alarm information from its memory.
  - The display shows a message in 4/2 format, such as "9999 99" (the numbers here may vary). GETA 1000 searches for this message to appear twice in a row within four instances. If it receives the same message twice, it sends a handshake frequency to the subscriber, indicating 'OK'. The subscriber then stops sending messages and disconnects. If messages continue to arrive from the same subscriber, GETA 1000 continues to receive this information until all messages are received.
  - It receives messages in Contact ID format in a single read. If the data stream is complete, it sends the handshake frequency.
  - Upon receiving a correct alarm message, the GETA1000 freezes this information on the display along with the time and date until a new message arrives or is confirmed by the operator. Simultaneously, it activates the alarm LED, generates an alarm sound, and sends the time and date to the connected printer. It also sends this information to the computer.
  - The operator accepts (confirms) this information by pressing the "**Reset**" button. **The time and date the operator accepted this information are also recorded on the printer.**
  - If GETA 1000 fails to capture the same information repeatedly, the message "**FAULT DATA**" will appear on the display. In this case, GETA 1000 will immediately disconnect the line and enter "**RECEIVER RUNNING**" mode, waiting for a message to arrive.
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- **Important note! : If the printer and computer are not working, this will not prevent GETA 1000 from receiving messages.**