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VENUS

User Manual
User Manual
User Manual

VENUS



VENUS FEATURES:

4 ZONE CONTROL PANEL WITH BUILT IN 2 MESSAGES 30 NUMBER SPEECH DIALER

A) CONTROL PANEL

- MICRO-CONTROLLER BASED
- ON BOARD KEY PAD
- ELEGANT WHITE ABS BODY
- TWO FULLY PROGRAMMABLE CODES (MASTER AND SERVANT CODES)
- 20000 CODE COMBINATIONS
- ONE DELAY ZONE, ONE IMMEDIATE ZONE
- 24 HOUR PANIC ZONE
- 24 HOUR FIRE ZONE
- BUILT IN BATTERY BACKUP PROVISION
- ZONE OMITTING FACILITY
- 9 LED DISPLAY
- 5 LEDs INDICATE OPERATIONAL STATUS
- 4 LEDs INDICATE INDIVIDUAL ZONE STATUS
- ENTRY/ EXIT TIME 2 TO 255 SECONDS
- SOUNDER TIME 2 TO 20 MINUTES
- SILENT ARMING
- NIGHT MODE ARMING
- INTRUSION LOG
- DEDICATED PANIC AND QUICK ARM KEYS
- POWER FAILURE INDICATION
- BLOWN FUSE INDICATION
- NON-VOLATILE MEMORY
- 16 KEY BACKLIT KEYPAD
- BELL AND STROBE LIGHT OUTPUTS
- OPEN ZONE INDICATION
- ZONE STATUS LED INDICATORS
- AUTOMATIC REARMING AFTER AN INTRUSION

VENUS



- ONLY THREE INCORRECT ATTEMPTS ALLOWED TO DISARM THE SYSTEM AFTER WHICH THE SYSTEM GOES INTO ALARM STATE
- MUSICAL AUDIO INDICATION
- MULTIPLE SOUNDER OUTPUTS

B) BUILT IN SPEECH DIALER

- MICRO-CONTROLLER BASED
- 2 MESSAGES
- SEPARATE INTRUSION MESSAGE
- SEPARATE FIRE MESSAGE
- 15 TELEPHONE NUMBERS FOR INTRUSION MESSAGE
- 15 TELEPHONE NUMBERS FOR FIRE MESSAGE
- 20 SECOND RECORDING TIME FOR EACH MESSAGE
- OPERATES WITH BOTH TONE & PULSE
- MESSAGE PLAYBACK
- TELEPHONE NUMBER CHECK
- NON-VOLATILE MEMORY
- POWER STATUS LED
- DIALING STATUS LED
- SELF TEST ON RESET
- LINE OVERRIDING
- SOUND PRECISION SWITCH
- MUSICAL AUDIO INDICATION
- IN-BUILT TAMPER SWITCH

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1 - GETTING STARTED

1 - 1 SYSTEM STATUS CONDITIONS

DAY (DISARMED) MODE

The system is in the **Day mode** when it is not **Armed**. In this mode, only the **Panic** and **Fire** zone will be actively operational and can bring the system into an alarm state. If any of the other zones are opened, the zone LED on the control panel will glow.

ARMED MODE

The system is in the armed mode when all active* zones are operational and can bring the system into alarm state.

*certain zones can be temporarily omitted from the system. See section 2-6.

1-2 ZONES

There are four types of zones in the control panel:

ENTRY/EXIT: An entry/exit zone will actively raise an alarm only if the system is Armed. However, an entry/exit zone allows for a programmed delay during which the user can enter the code and prevent alarm from sounding. If the user does not enter the code in the programmed amount of time, the alarm will sound. The main entry is usually the entry/exit zone so as to allow the user to enter the premises without raising the alarm. Entry/Exit zones are also referred to as delay zones.

IMMEDIATE: An immediate zone will actively raise an alarm only if the system is armed. If anyone enters the premises through an immediate zone while the system is Armed, the alarm will sound immediately. Immediate zones usually include all the doors and windows other than the main entry, since the user is unlikely to enter the premises through these.

PANIC : A Panic zone is a 24 hour zone and will raise an alarm when the panic switch is pressed irrespective of whether the system is armed or disarmed.

FIRE : A Fire zone is a 24 hour zone and will raise an alarm in case a fire is detected irrespective of whether the system is armed or disarmed.

In the case of an alarm, the sounders will be activated and the automatic speech dialer will call all programmed numbers and play the corresponding emergency messages.

1-3 FACTORY SETTINGS

1. The **MASTER CODE** is set to **1234**
The **SERVANT CODE** is set to **5678**
2. **ZONE 1** is set as the **entry/exit zone**
ZONE 2 is set as the **immediate zone**
ZONE 3 is set as **PANIC** zone
ZONE 4 is set as **FIRE** zone
3. The **ENTRY/EXIT delay** is set to **30 seconds**
4. The **SOUNDER TIME** is set to **2 minutes**

2 - OPERATING PROCEDURE 1 - FROM CONTROL PANEL

2 - 1 TO ARM THE SYSTEM

2 - 1 - 1 NORMAL ARMING

Press **ENTER**

Press **ARM**

All zones will be armed and the **ARMED LED** will glow.

The immediate zones must be closed before arming the system. If any active immediate zones is open, the corresponding **LED** will flash along with an audio indication. The entry/exit zone must be closed within the entry/exit delay time.

2 - 1 - 2 NIGHT MODE ARMING

This unique feature allows us to temporarily make all entry/exit (delay) zones into immediate zones. When the system is armed at night and all users are within the premises, the entry/exit time is not required. This feature is particularly helpful when the system is installed in a residence.

- Press **ENTER**
- Press **ARM**
- Press **HELP**

All zones will be armed and all delay zones will temporarily become immediate zones

2 - 1 - 3 SILENT ARMING

If arming sound is not required, it can be silenced. The system will arm itself silently ending with a beep to indicate that the system is armed.

- Press **ENTER**
- Press **ARM**
- Press **0**

2 - 2 TO DISARM THE SYSTEM

Enter **MASTER CODE** to disarm the whole system.

Enter **SERVANT CODE** to disarm zones allocated to the servants.

IMPORTANT NOTE : If the system is in alarm state, the master code has to be entered twice. The first time will switch off the sounders. The second time will stop the automatic speech dialer. If you wish to stop the sounder but want the speech dialer to continue dialing the programmed numbers, enter the code only once.

2 - 3 TO CHANGE ACCESS CODES

(Please see Factory Settings in Section 1-3)

- Enter **MASTER CODE**
- **PROGRAM LED** will blink
- Press **PROG**
- **PROGRAM LED** will glow
- Press **CODE**
- Press **PROG**
- Press **MAST** to change **MASTER CODE** OR
- Press **SERV** to change **SERVANT CODE**
- Press **PROG**
- Enter new **4** digit code **XXXX**
- The system will sound four beeps
- Repeat and confirm new **4** digit code **XXXX**
- Panel returns to **DAY MODE**

*If the two codes entered do not match, the system will sound fast error beeps and return to day mode. The previous code will be retained.

2 - 4 TO CHANGE ENTRY / EXIT DELAY

(Please see Factory Settings in Section 1-3)

- Enter **MASTER CODE**
- **PROGRAM LED** will blink
- Press **PROG**
- **PROGRAM LED** will glow
- Press **DELAY**
- Press **PROG**
- Enter new Entry/Exit delay (**2** to **255** seconds)
- Press **ENTER**
- System returns to **DAY MODE**

If the time entered is not within the specified time range, the system will sound fast error beeps and return to day mode. The previous **Entry/Exit** delay will be retained.

2 - 5 TO CHANGE SOUNDER TIME

(Please see Factory Settings in Section 1-3)

- Enter **MASTER CODE**
- **PROGRAM LED** will blink
- Press **PROG**
- **PROGRAM LED** will glow
- Press **SNDR**
- Press **PROG**
- Enter new Sounder time (**2** to **20** minutes)
- Press **ENTER**
- System returns to **DAY MODE**

*If the time entered is not within the specified time range, the system will sound fast error beeps and return to day mode. The previous Sounder delay will be retained.

2 - 6 TO TEMPORARILY OMIT CERTAIN ZONES

- Enter **MASTER CODE**
- **PROGRAM LED** will blink
- Press **PROG**
- **PROGRAM LED** will glow
- Press **ZONE**
- Press **PROG**
- Press **MAST** to omit **master zones**
- Press **PROG**
- Zone **LEDs** will glow
- Enter the zone numbers you wish to omit and the corresponding **LEDs** will **SWITCH OFF** (LEDs will toggle **ON** and **OFF** if a number is entered more than once. If a zone LED is **OFF**, the zone will be omitted)
- Press **ENTER**
- System returns to **DAY MODE**

IMPORTANT NOTE : As a safety feature, once the system is disarmed, all master zones will automatically be re-activated. The above procedure must be followed each time you wish to part set the system and omit certain master zones.

2 - 7 TO CHANGE/ALLOCATE SERVANT ZONES

- Enter **MASTER CODE**
- **PROGRAM LED** will blink

- Press **PROG**
- **PROGRAM LED** will glow
- Press **ZONE**
- Press **PROG**
- Press **SERV** to change **SERVANT ZONES**
- Press **PROG**
- Zone **LEDs** will glow
- Enter the zone numbers you wish to allocate to the servants and the corresponding LEDs will **SWITCH ON**. (LEDs will toggle on the off if a number is entered more than once. If a zone LED is on, the zone will be included in the servant zones)
- Press **ENTER**
- System returns to **DAY MODE**

IMPORTANT NOTE : Servant zones once programmed will remain allocated till re-programmed using the above procedure. Only one category, Master or Servant zones can be programmed at a time. To program/re-program any zone status, the procedure must be repeated.

2 - 8 TO SEE INTRUSION LOG

- Enter **MASTER CODE**
- **PROGRAM LED** will blink
- Press **PROG**
- **PROGRAM LED** will blink
- Press **LOG**
- Press **PROG**
- The Zone **LED** of the last zone in which there was an intrusion will glow
- Press **ENTER** to see the **PREVIOUS ZONE**
- If a long beep is heard, the log is empty or finished
- Press **EXIT** to return to **DAY MODE**

2 - 9 TO RECORD MESSAGES

- Enter **MASTER CODE**
- **PROGRAM LED** will blink
- Press **PROG**
- **PROGRAM LED** will glow
- Press **REC**
- Press **PROG**
- Press **1** to record **Intrusion Message 2** or to record **fire message**
- The recording will start and you must record the message within **20** seconds (The **PROGRAM LED** will glow during the recording period)
- The system returns to **DAY MODE** after the recording time is over. Only one message can be recorded at a time. To record the second message, the above procedure must be repeated.

2 - 10 TO PLAY BACK RECORDED MESSAGES

- Enter **MASTER CODE**
- **PROGRAM LED** will blink
- Press **PROG**
- **PROGRAM LED** will glow
- Press **PLAY**
- Press **PROG**
- Press **1** to play **Intrusion Message 2** or to play **fire message**

Message will play and panel will return to **DAY MODE**.

Only one message can be played back at a time. To play the second message, the above procedure must be repeated.

2 - 11 SET TELEPHONE NUMBERS

- Enter **MASTER CODE**
- **PROGRAM LED** will blink
- Press **PROG**
- **PROGRAM LED** will glow
- Press **TEL**
- Press **PROG**
- Press **1** to set **intrusion message** numbers **2** or to set **fire message** numbers
- Enter the first number (Max **14** digits, message, press **DIAL** for pause when using **EPABX**)
- Press **ENTER**, two beeps will be heard
- Enter the next number and then press **ENTER**
- Continue this process till all numbers are entered (**Max 15**) and then press **ENTER** twice to end
- The system returns to **DAY MODE**

Only one message numbers can be entered at a time. To enter the second message numbers, the above procedure must be repeated.

2 - 12 EXIT BUTTON

The system can be brought out of the programming mode by pressing **EXIT** instead of **PROG**.

2 - 13 DIAL BUTTON

The system can dial and play the intrusion message without activating the sounders.

- Press **Enter**
- Press **DIAL**

3 - OTHER USEFUL INFORMATION**3 - 1 FORGOTTEN CODE**

If the user has **FORGOTTEN** the code, the panel has to be **RESET** to **FACTORY SETTINGS**

To reset to Factory Settings :

- Disconnect all power supply and the battery from the main control panel.
- Press key **1** and **4** simultaneously
- Reconnect the power supply while keeping **1** and **4** keys pressed.
- The panel will reset to factory settings and **MASTER CODE** will be reset to **1234**.

Please refer to section 1-3 for Factory Settings.

3 - 2 KEYPAD LIGHTING

In order to make it easier to operate the control panel, the key pad is fully backlit. The key pad will illuminate if a button is pressed or any zone is opened. The light **SWITCH OFF** automatically after **2** minutes.

3 - 3 SAFETY FUSES

As an additional safety feature, the control panel has one **mains AC** fuse on the power supply card and **TWO SAFETY FUSES** on the main circuit board. In the event of an overload in the power supply, sounder or auxiliary supply circuits, a fuse will blow. This fuse must be replaced. You may contact your nearest service centre for assistance.

4 - TECHNICAL SPECIFICATIONS**ELECTRICAL**

Quiescent current: **75mA** typical

Current with dialing & message play: **160mA**

Maximum sounder1 current output: **1A**

Maximum sounder2 current output: **1A**

Sounder saturation Voltage: **<1V at 1A**

Remote keypads: **Up to five**

Non-volatile Memory: Programming and Log

Zone response time: **<500ms**

Zone Loops Resistance: **<5k ohm** for **NORMALLY CLOSED**

POWER SUPPLY

Mains supply Voltage: **220+10% -15% 50Hz**

Total current Output: **800mA** at **220V AC** (Fuse JA 20mm On Main Card)

Regulation: **<9%**

Ripple: **<200mV RMS**

Battery voltage: **12V DC**

Battery type: **SMF Rechargeable**

Battery recharge voltage: **13.8V +/-0.2V D**

Fuse: **250mA 20mm AC Mains on PS Card**

ENVIRONMENTAL

Operating Temperature: **0°C to 45°C**

Storage Temperature: **-20°C to 60°C**

Maximum humidity: **95% non-condensin**

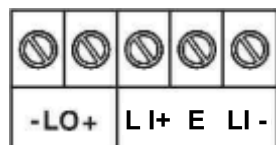
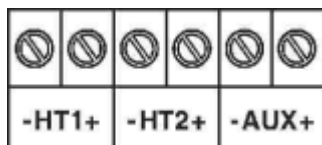
Environment: **residential/ commercial/light Industrial**

PHYSICAL

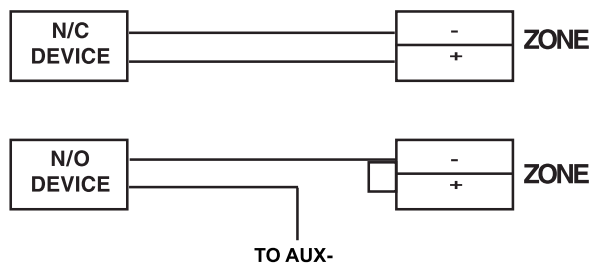
Dimensions: **236mm x 226mm x 80mm**

Max Battery Dimensions: **150mm x 110mm x 64mm**

5 - CONNECTION DIAGRAM FOR VENUS PANEL WITH IN - BUILT SPEECH DIALER

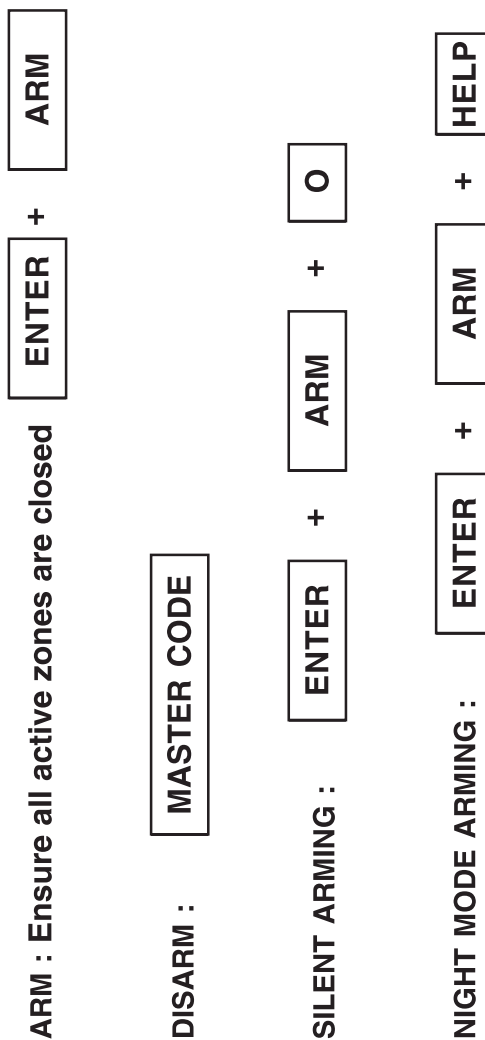


- 1) +Z1- To **ZONE NO. 1** Devices (Short with jumper if not applicable)
- 2) +Z2- To **ZONE NO. 2** Devices (Short with jumper if not applicable)
- 3) HELP To **PANIC ZONE** Devices (Short with jumper if not applicable)
- 4) FIRE To **FIRE ZONE** Devices (Short with jumper if not applicable)
- 5) -HT1+ To **SOUNDERS**
- 6) -HT2+ To Additional **SOUNDERS/STROBE LIGHT**
- 7) -AUX+ **12V DC Supply** to sensor /detectors
- 8) -LO+ **Telephone line out** to other extensions
- 9) LI+ E LI- **Telephone line in**



6 - QUICK FUNCTION GUIDE

Quick Function Guide



7 - ZONE LOCATION CARD

Zone Location Card

Panel S. No.....

	ZONE 1	ZONE 2	PANIC	FIRE
LOCATION				
LOCATION				
LOCATION				
LOCATION				

Date..... Engineer Name..... Signature.....