AUTO DIAL UNIT

Model AD10

Programming & User Manual

Overview

AD10 Auto Dial Unit

The AD10 is a DTMF Auto-Dialer which is either installed inside a telephone or connected to the Tip and Ring wiring externally. It can be configured for hot line use, where a programmed number may be dialed simply by picking up the handset. With the addition of external push buttons it is capable of supporting three telephone numbers with up to twenty digits each.

It is not necessary for the AD10 to have a dedicated line.

If the auto-dial telephone has a keypad and if it is so desired, an access number i.e. 9 can be stored, which will be dialed when the handset is picked up. The rest of the number can then be dialed manually. If only a "*" is stored the auto dialer function is effectively bypassed and the telephone can be dialed in a normal manner.

Programming The AD10

IMPORTANT:
- The telephone being programmed will be out of use while in programming mode.
- Programming has to be done with a DTMF telephone.

ENTER PROGRAMMING MODE:
- Call the AD10 equipped telephone from another telephone and then answer it, i.e. take it off hook.
- At the remote telephone, enter "GUARDIAN" (48273426). If the number is entered correctly, a beep will be heard signaling entry into **service mode**.
- At the remote telephone enter the eight-digit access code. The default access code set at the factory is (12345678). If the correct code is entered correctly, a beep will be heard signaling access to **programming**.

PROGRAMMING THE AUTO-DIALER:
 Access Code Change
- Enter programming mode per instruction above (if not done).
- Key "0" on the remote telephone to re-program the access code. The Auto-Dialer will beep 5 times.
- Enter the Access Code. The access code must be 8 digits minimum in length. Any digit keyed past the eighth one will be ignored. Hang up both phones.

   WARNING!   You cannot program your AD10 equipped telephone without the correct access code. If you have lost or forgotten your access code the telephone must be returned to Guardian Telecom or an authorized service depot to have the default code restored.

 Hot Line Operation (no external selection buttons)
- Enter programming mode per instruction above (if not done).
- Press key "1" on the remote telephone to program the telephone number to be stored into the auto dialer. A beep tone from the auto dialer will be heard.
- Enter the number to be stored into the auto dialer.
- Hang up to complete the programming sequence.

 Multiple Number Operation
- Enter programming mode per instruction above (if not done).
- Press key "1" on the remote telephone to program the telephone number to be stored into the auto dialer for key assigned to register 1. A beep tone from the auto dialer will be heard. Enter the desired telephone number. Hang up the remote telephone to complete the programming sequence.
  Note: Both the programming phone and the auto-dial phone must be restored to on-hook condition between each register programmed.

- Press key "2" on the remote telephone to program the telephone number to be stored into the auto dialer for key assigned to register 2. Two beep tones from the auto dialer will be heard. Enter the desired telephone number. Hang up the remote telephone to complete the programming sequence.
- Press key "3" on the remote telephone to program the telephone number to be stored into the auto dialer for key assigned to register 3. Three beep tones from the auto dialer will be heard. Enter the desired telephone number. Hang up the remote telephone to complete the programming sequence.

Valid entry keys for stored phone numbers are: "1, 2, 3, 4, 5, 6, 7, 8, 9, 0, #,*" Each "*" key entered will be interpreted by the Auto-Dialer as a three-second pause. "#" key entries will be ignored by the Auto-Dialer even though they may be recognized and acted upon by the switch the Auto-Dialer phone is connected to. The stored phone number can have up to 20 digits. The "*" and "#" key entries are treated and counted as digits. If the auto-dial telephone has a keypad and if it is so desired, an access number i.e. 9 can be stored which will be dialed when the handset is picked up. The rest of the number can then be dialed manually. If only a "*" is stored the auto dialer function is effectively bypassed and the telephone can be dialed in a normal manner.

Dial Tone Monitoring
- Press key "4" to enable or disable dial tone monitoring. The Auto-Dialer will beep 4 times and then wait for a "0" or a "1" to be entered. A key "0" entry will disable dial tone monitoring. In this mode the Auto-Dialer will dial the selected phone number without first looking for the presence of a dial tone. Disable dial tone monitoring is only required if the PABX to which the auto-dial phone is connected does not generate a dial tone. A key "1" entry will enable dial tone monitoring. In this mode the Auto-Dialer will dial the select phone number only if a dial tone is present.

Return the auto-dialer telephone handset back to the on hook position to terminate the programming mode.

Using An AD10 Equipped Telephone

- In Hot Line configuration simply lift the handset off of the cradle. The AD10 will automatically dial the number stored in memory.
- In Multiple number operation pick up the handset and press the button for the desired number to be dialed.
- If the AD10 is installed in a telephone with a keypad and if a register was programmed with an access code dial the rest of the number after the AD10 has dialed the initial number. If only a "*" was stored the auto dialer function is effectively bypassed and the telephone can be dialed in a normal manner.

Engineering Specifications

Audio Performance	
AUDIBLE RANGE FREQUENCY RESPONSE	300 – 3400 Hz
SET AC IMPEDANCE	600 OHMS
Electrical	
DIALING METHOD	DTMF
LOOP CURRENT	32 – 60 mA
LINE VOLTAGE	36 – 56 VDC
Dial Tone	
ROW 1	685 – 709 Hz
ROW 2	757 – 784 Hz
ROW 3	837 – 867 Hz
ROW 4	925 – 957 Hz
COLUMN 1	1189 – 1229 Hz
COLUMN 2	1314 – 1538 Hz
COLUMN 3	1453 – 1501 Hz
Compliance	
IC	1012 11141 A
FCC	GRTCAN-35827-8D-T

Field Repairs

No field repairs are possible. In the event of failure return the unit to Guardian Telecom or an Authorized Service Depot for repairs. See **Warranty and Disclaimer for details.**

Warranty

Guardian Telecom warrants your product to be free of defects in material and workmanship for a period of one year. Guardian Telecom will repair or replace any defective unit that is under warranty free of charge.

This warranty is null and void if any non-authorized modifications have been made to this product, or if it has been subjected to misuse, neglect, or accident. This warranty covers bench repairs only; such repairs must be made at Guardian Telecom or an authorized service depot. Guardian Telecom is not responsible for costs incurred for on-site service calls, freight, or brokerage.

A return authorization must be obtained prior to warranty claims or repairs.

Disclaimer

The products covered by this manual are designed for use in Industrial Environments and/or Hazardous Locations. Due to the range of possible applications for these instruments the manufacturer will not be responsible for damages or losses of any kind suffered as a result of the use of this product, including consequential damages.

Warning

Field repairs to the Auto-Dialer circuit board are not possible. Return the unit to Guardian Telecom or an authorized service depot for repairs or maintenance.

High voltages may be present in this product when connected to telephone wiring.

Service Telephone Number

1-800-363-8010

Guardian Telecom provides a customer service telephone number which is toll-free within North America. If you need assistance when installing or operating this product, please call the toll-free telephone number between regular business hours (8:00AM-5:00PM), Mountain Standard Time. If you are calling outside of regular business hours, please leave a detailed message, and a member of Guardian Telecom's Service Department will return your call as soon as possible. If your product requires service, Guardian personnel will supply you with an RMA (return materials authorization) number over the telephone or through our web site product return page. This number must be included with your return address and the name of the person to contact.

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Feedback

Guardian Telecom continually strives to make reliable, durable, and easy to use products. If you, as an installer or user of our equipment, have any suggestions for improvements to this or any of our products or documents, including this manual, we would appreciate hearing from you.