JANUS

T9000_222
Emergency Telephone

Operation and Programming

AVIRE
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A HALMA COMPANY

OPERATION & PROGRAMMING INSTRUCTIONS FOR
T9000 EMERGENCY PHONE

1. ELECTRICAL

There are two required connections to the T9000 Telephones. They are telephone TIP and RING wires. They are not polarity sensitive. The T9000 has an analog telephone interface and will operate on any phone line where a standard telephone will operate whether it is a central office connection or an analog PBX or key-system connection. The maximum number phones that can be connected on the same line will be 1 with 20mA minimum loop current on the phone line. The telephone connection to the T9000 is through a standard RJ-11 modular jack. Using normal telephone wiring color coding, the T9000 is connected to the red and green wires in the modular cord.

Note: The T9000 phone must be connected to the telephone line for at least 1 minute prior to use. This will ensure that the circuit is fully charged and the automatic self diagnostics has been properly initialized.

2.0 OPERATION

2.1 OVERVIEW

The T9000 is a microprocessor based programmable, full-duplex telephone with automatic diagnostic capabilities. The factory default settings allow for calls to be made and received from the telephone with simple keystrokes or codes on the part of the calling or receiving party. Calling the T9000 from any touch-tone phone, entering a password, and then the program code, along with the information to be changed or entered, can activate additional features.

2.2 OUTGOING CALLS

When someone picks up the handset the T9000 goes off-hook. A call can then be made by entering in the number to be reached using the keypad or by pressing and holding for at least 3 seconds a keypad button 0-9 to dial a pre-programmed speed dial number. Two-way conversation can begin immediately. No keypad entry is required from the agent. You can adjust the handset speaker volume by squeezing the press-bar on the handset to 3 different levels: Normal, Medium and High.

Once the connection is established, the T9000 will hang up if any of 3 things happen:

1. The answering party hangs up and the telephone system is capable of transmitting a momentary drop in line current (CPC, positive disconnect), which the T9000 senses.

2. The answering party transmits a "#" DTMF tone.

3. The calling party places the handset on the cradle.

2.2 INCOMING CALLS

Incoming calls to the T9000 have a number of purposes. You may be calling the T9000 to talk to someone at that end, to program the T9000, or to run the diagnostics. You will need to know the telephone number to which the T9000 is connected. Dial that number as you would any other number. If you are off site from the T9000 and not within its area code, the area code and possibly a 1 will be required.

The person receiving the call on the T9000 must pick up the handset to answer the call. For programming and diagnostics, see section 3.0 Programming.

3.0 PROGRAMMING

3.1   CALLING TO THE PHONE FOR PROGRAMMING

Call T9000 phone. After 1 ring or if the handset is lifted the phone will respond with a pound sign, after which you enter **2#** or **2** then the programming password (if it was changed with code 57) then **#**. Example: If the password is 12345, you would enter
2 12345#. When you are done programming the phone, dial **#** to terminate that phone's programming.

3.2   PROGRAM CODE FORMATS

Each entry begins with a two or three digit program code. Each Program Code is described in section 4.4. The simplest entries consist entirely of the two-digit program code. Examples include the diagnostic command (**02#**) and the factory default reset (**90#**). By simply entering the program code, the feature is selected, or in some cases disabled. Other entries require the two or three digit program code to be followed by a string of digits, and possibly a pound sign (**#**).

3.3   DIAGNOSTIC CALLS PLACED BY THE PHONE

When the phone places a call in response to an outgoing diagnostic alarm (set by programming code **64**), it dials the first of the four phone numbers set by programming code **55n**. It then waits a maximum of twenty seconds to hear a DTMF pound sign (no password is required, since the phone is dialing an authorized number). If it gets that, it enters programming mode; if not, it hangs up and dials the second number, then the third.

When the phone is placed in programming mode this way, a pound sign instructs it to hang up.

This type of call is known as "diagnostic" because it's normally used for routine calls into an automated maintenance system, which issues the Diagnose command (programming code **02#**). But in fact all programming codes are available.
The Phone can generate a similar call, Known as an "event" call, to report new problems as they occur. The phone can be programmed so that after any action that starts with the handset being removed from its cradle – an accident, vandalism, or normal voice call – the phone will perform an event check. The Phone waits for the termination of the call and call timeout, sets the timer for a programmable number of minutes, and then checks for error conditions line a stuck button or handset still out of the cradle. If it finds any error condition, the phone places a diagnostic call.

3.4   PROGRAMMING CODES

The value set by the most recent entry of each command (Except Programming Password) can be played back as DTMF digits for troubleshooting purposes. Simply precede the command code with a zero. Command 056#, for example, plays back the ID number that was set by command 56.

To replay a command as beeps, rather than as DTMF digits, use a leading asterisk instead of a zero. When you do this, zeros are played back as ten beeps, and asterisks are played back as long beeps.

If a value set by a command is overwritten by the Set Factory Defaults command (code 90#), the value played back for the individual command will not reflect a change.

All programming codes require a termination pound sign ("#");

02#: Diagnose. The phone responds with six DTMF digits, representing the answers to four true-or-false questions. In each case, "0" means "false", "1" means "true". The four questions are:

>   1.   Is the handset volume Press-bar button pressed (and, presumably, stuck)?

2. Is the handset off hook?
3. Is the handset missing or broken?
4. Is a Keypad digit Pressed (and, presumably, stuck)?

*Note 1: If you are using a tone-grabber to retrieve this code you will read 0000### if the phone passes all the tests.

056#: Play back the unit serial / ID number as DTMF tones.

19#: Play back firmware version number as DTMF tones.

43nn#: Set ring time for diagnostic calls (nn=18 to 60 with 30 as default).
This is the adjustable time, in seconds, that the phone waits listening for an answer on an outgoing diagnostic call.

47n#: Set transmit volume (n=1 to 5 with 3 as default).

48n#: Set receive volume (n=1 to 5 with 3 as default).

510(followed by up to 20 DTMF tones)**#**: Store Speed dial number "0" for Keypad (The number dialed when pressing "0" for at least 3 seconds on the keypad) . An asterisk represents a two-second pause.

511(followed by up to 20 DTMF tones)**#**: Store Speed dial number "1" for Keypad (The number dialed when pressing "1" for at least 3 seconds on the keypad) . An asterisk represents a two-second pause.

512(followed by up to 20 DTMF tones)**#**: Store Speed dial number "2" for Keypad (The number dialed when pressing "2" for at least 3 seconds on the keypad) . An asterisk represents a two-second pause.

513(followed by up to 20 DTMF tones)**#**: Store Speed dial number "3" for Keypad (The number dialed when pressing "3" for at least 3 seconds on the keypad) . An asterisk represents a two-second pause.

514(followed by up to 20 DTMF tones)**#**: Store Speed dial number "4" for Keypad (The number dialed when pressing "4" for at least 3 seconds on the keypad) . An asterisk represents a two-second pause.

515(followed by up to 20 DTMF tones)**#**: Store Speed dial number "5" for Keypad (The number dialed when pressing "5" for at least 3 seconds on the keypad) . An asterisk represents a two-second pause.

516(followed by up to 20 DTMF tones)**#**: Store Speed dial number "6" for Keypad (The number dialed when pressing "6" for at least 3 seconds on the keypad) . An asterisk represents a two-second pause.

517(followed by up to 20 DTMF tones)**#**: Store Speed dial number "7" for Keypad (The number dialed when pressing "7" for at least 3 seconds on the keypad) . An asterisk represents a two-second pause.

518(followed by up to 20 DTMF tones)**#**: Store Speed dial number "8" for Keypad (The number dialed when pressing "8" for at least 3 seconds on the keypad) . An asterisk represents a two-second pause.

519(followed by up to 20 DTMF tones)**#**: Store Speed dial number "9" for Keypad (The number dialed when pressing "9" for at least 3 seconds on the keypad) . An asterisk represents a two-second pause.

55n (n = 1 to 4, followed by up to 16 DTMF tones)**#**: Store diagnostic call-out number n.

56 (followed by up to 16 DTMF tones)**#**: Store serial / ID number

57 (followed by up to 16 DTMF tones)**#**: Store programming password.

63n# or 63nn#: Set the call timeout to nn minutes. Setting the value to zero disables call timeouts. The default value is 10 minutes.

64n# or 64nn#: Set the post-call check interval to nn minutes. If the phone detects a fault, it waits through this interval and then checks for an abnormal condition, such as handset off hook or a stuck button. If any of these conditions prevail, the phone places an event call to report the problem. Setting this value to zero or hanging up the handset before the phone times out disables post-call checks and event calls. The default value is 10 minutes. To disable the post-call check interval, enter the code without operands (**64#**).
Note: The post check interval will start 30 seconds after the phone is left offhook without calling out.

90#: Set factory defaults. This command sets the transmit & receive volume level to 3, the call timeout to 10 minutes, and the post-call check interval to 10 minutes.

FCC Notice:

This equipment complies with Part 15 and part 68 of the FCC Rules. Operation subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. On this unit is a label that contains, among other information, the FCC registration number and ringer equivalence number (REN) for this equipment. If requested, this number must be provided to the telephone company.

The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (*e.g.*, 03 is a REN of 0.3). For earlier products, the REN is separately shown on the label.

If this equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

If trouble is experienced with this equipment*,* for repair or warranty information, please contact EMS 1-800-527-9156*.* If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

WHEN PROGRAMMING EMERGENCY NUMBERS AND (OR) MAKING TEST CALLS TO

EMERGENCY NUMBERS:

1) Remain on the line and briefly explain to the dispatcher the reason for the call.
2) Perform such activities in the off-peak hours, such as early morning or late evenings.

Warranty Policy:

Janus Elevator Products Inc. warrants its products to be free from defect in materials and workmanship under normal use and service for 24 months (2 years) from date of purchase. Seller's obligation shall be limited to repairing or replacing, at its option, free of charge for materials or labor any product which proves defective in materials or workmanship under normal use and service. **Janus** shall not be responsible for any damage to the unit incurred during installation. Seller shall have no obligation under this Limited Warranty or otherwise if the product is altered or improperly repaired or serviced by anyone other than Janus factory service. For warranty service, contact EMS at 631-864-3699 or 800-527-9156.

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. IN NO CASE SHALL SELLER BE LIABLE TO ANYONE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, OR UPON ANY OTHER BASIS OF LIABILITY WHATSOEVER, EVEN IF THE LOSS IS CAUSED BY THE SELLER'S OWN NEGLIGENCE OR FAULT.

Return Policy:

All **Janus Elevator Products** are warranted to be free from defects in workmanship and material for a period of 24 months (two years) from the product date. Please read the warranty that accompanies every **Janus** product.

During installation, if a product does not appear to function properly the installer must call **Janus** Technical Support Unit at (800) 527-9156, Monday through Friday. If the technician determines that the product is not functioning, an **RA** (Return Authorization) number will be issued, allowing the installer to return the product directly to **Janus** for immediate replacement or credit.

Returns with no fault found, will result in a bench charge plus shipping costs. Returning the product without an **RA** number will result in a restocking charge of 15% or more plus shipping