



DEPENDABLE EMERGENCY COMMUNICATIONS

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HALMA
GROUP
COMPANY

T2130/40

Handset Emergency Telephone

Installation and Operation

INSTALLATION AND OPERATION FOR THE T2130/40

General

The T2130/40 is a microprocessor based, phone line powered, handset phone with automatic dialing capabilities. The phone is shown in drawing SD0604-1A. The handset is of polycarbonate material and is secured to a stainless steel faceplate with an armored cord. The complete faceplate is sealed with the handset using a magnetically activated hookswitch/hanger. The electronics of the phone, on the back of the faceplate, are protected by a dust cover that is sealed at the top and sides to prevent moisture entry. The bottom of the cover is open to allow connections and to allow air temperature equalization. The connections are shown in drawing SD0604-2A.

By lifting the handset on a T2140, a preprogrammed number is automatically dialed and two-way conversation can take place. The T2130/40 is programmed by dialing to it and entering a programming password. After the password, the number to dial and the maximum duration of a call can be programmed. If the call exceeds the maximum specified duration, the phone electronically hangs up even if the handset is off-hook. The phone may be reactivated by placing the handset on-hook and then taking it off-hook again. When queried by the PR1150 or ACMS computer, the phone reports whether the handset is on-hook, off-hook or whether the handset is no longer attached to the phone. The phone also has an Auxiliary contact closure that may be programmed to be activated when the handset is off hook and the phone is drawing loop current.

The T2130 is physically identical to the T2140 except that there is a "CALL" button and a keypad on the front panel of the T2130 as seen in drawing SD0604-1A. This button is labeled "PUSH FOR HELP" and is used to dial a pre-programmed number that have been entered into the dialed number location(s).

Programming for the T2130 is identical to the programming for the T2140 with the addition of the following program codes for the "PUSH TO CALL" button: **12 <phone number> #**

Installation

The T2130/40 is secured to a mounting panel using the six, #10 countersunk holes. In vandal-prone areas, it is recommended that tamper-resistant screws be used. The countersunk holes will also accept #10 pan head screws.

Connection to the phone is through an RJ-11 modular cord at the bottom of the unit. After connecting, wait 5 minutes for the circuitry of the phone to charge up.

Calls from the T2130/40

Calls from the T2140 are simply made by lifting the handset. Dial tone is first heard, followed by the automatic dialing of the pre-programmed number. Calls from a T2130 are made by lifting the handset and pressing the (*) to activate the keypad or simply press the "Push to

Call” button to dial the number you wish to dial. A Two-way conversation may take place when the called party answers. The conversation is terminated and the T2130/40 is electrically placed on hook when one of the following occurs:

- The T2140 physically hangs up.
- The called party presses the # key on his/her keypad.
- The pre-programmed conversation time out expires.
- A CPC or momentary disconnect is sent by the interconnecting switch.

Calls to the T2130/40 (Programming)

The T2130/40 may be programmed by dialing its phone number. The T2130/40 will automatically answer and will issue a single beep and wait for the programming mode sequence “2 <programming password> #” which is entered on the calling party keypad. (The factory set password is blank and the programming mode sequence would therefore be “2#”.) The T2130/40 will beep 3 times and wait for program commands to be entered. Each command is a two-digit entry some of which are followed by number information. Commands which require a number entry must be followed by a “#”. The commands are as follows.

01 Play Back programming password

Entering 01 causes the previously entered programming password to be played back as DTMF tones.

11 <number> #: Load programming password (“90” default setting is blank)

The password can have from zero to twenty digits. Leaving this program item empty is legal and disables password protection, allowing you to get into the programming mode by entering only a “2#”.

02 Play back emergency telephone number

Entering 02 causes the previously entered emergency telephone number to be played back as DTMF tones.

12 <phone number> #: Load emergency telephone number

This is the number dialed when the handset is lifted (on the T2140) or the “Push to Call” button is pressed (on the T2130). It can have from zero to twenty digits, including “*” which tells the T2130/40 to insert a two second pause. This is sometimes needed after dialing an access code for an outside line. For ringdown systems, this program item should be left empty. When the handset is lifted, the T2140 will go off hook but not dial.

03 Play back identifier

Entering 03 causes the previously programmed phone identifier to be played back as DTMF tones.

13 <number> #: Load identifier (ANI)

This number, up to twenty digits in length, is sent out in response to a “7” entered by the receiving agent during a call. It is normally used when the T2130/40 is connected to a computer for remote monitoring.

04 Play back conversation timeout

Entering 04 causes the previously programmed phone identifier to be played back as DTMF tones.

14 <number> #: Set maximum conversation time (“90” default setting is 10 minutes)

The number you program sets the time in minutes, (from 1 to 99) that a conversation can last between the caller and the receiving agent before the T2130/40 electronically hangs up.

09 Test

The response may include the following digits:

- 0 The handset is missing.
- 1 The handset is off hook.
- 2 The handset is on hook.
- 3 The call was answered by a human.

21 Play back microphone off cycle

Entering 21 causes the previously programmed microphone off cycle setting to be played back as DTMF tones.

31 <number> #: Set microphone off cycle (“90” default setting is 0, for off)

If the microphone off cycle switching time (code 32) is nonzero, the microphone will be switched on and off at the beginning of an outgoing call. The microphone is switched on and off once per second, and this number is the part of that cycle during which the microphone is off. It is measured in tenths of seconds, so a value of 1 leaves the microphone off for 100 ms. and on for 900.

22 Play back microphone switching time

Entering 21 causes the previously programmed microphone switching time to be played back as DTMF tones.

32 <number> #: Set microphone switching time (“90” default setting is 0, for off)

If the microphone off cycle setting (code 31) is nonzero, the microphone will be switched on and off at the beginning of an outgoing call. The microphone is switched on and off for a maximum of this number of seconds, unless a DTMF 7 is received. In that event, it continues to switch until a DTMF 8 is received.

44 Enable Auxiliary 1 output on off hook (T2140 only)

This program code sets the phone so that Aux Out 1 closes when lifting the handset to activate the phone. On a T2130 the Aux Out 1 is disabled.

45 Disable Auxiliary 1 output on off hook (“90” default setting)

This program code sets the phone so that Aux Out 1 does not close when lifting the handset or the “Push to Call” button is pressed.

90 Set default settings

The T2130/40 is returned to its default configuration.

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.

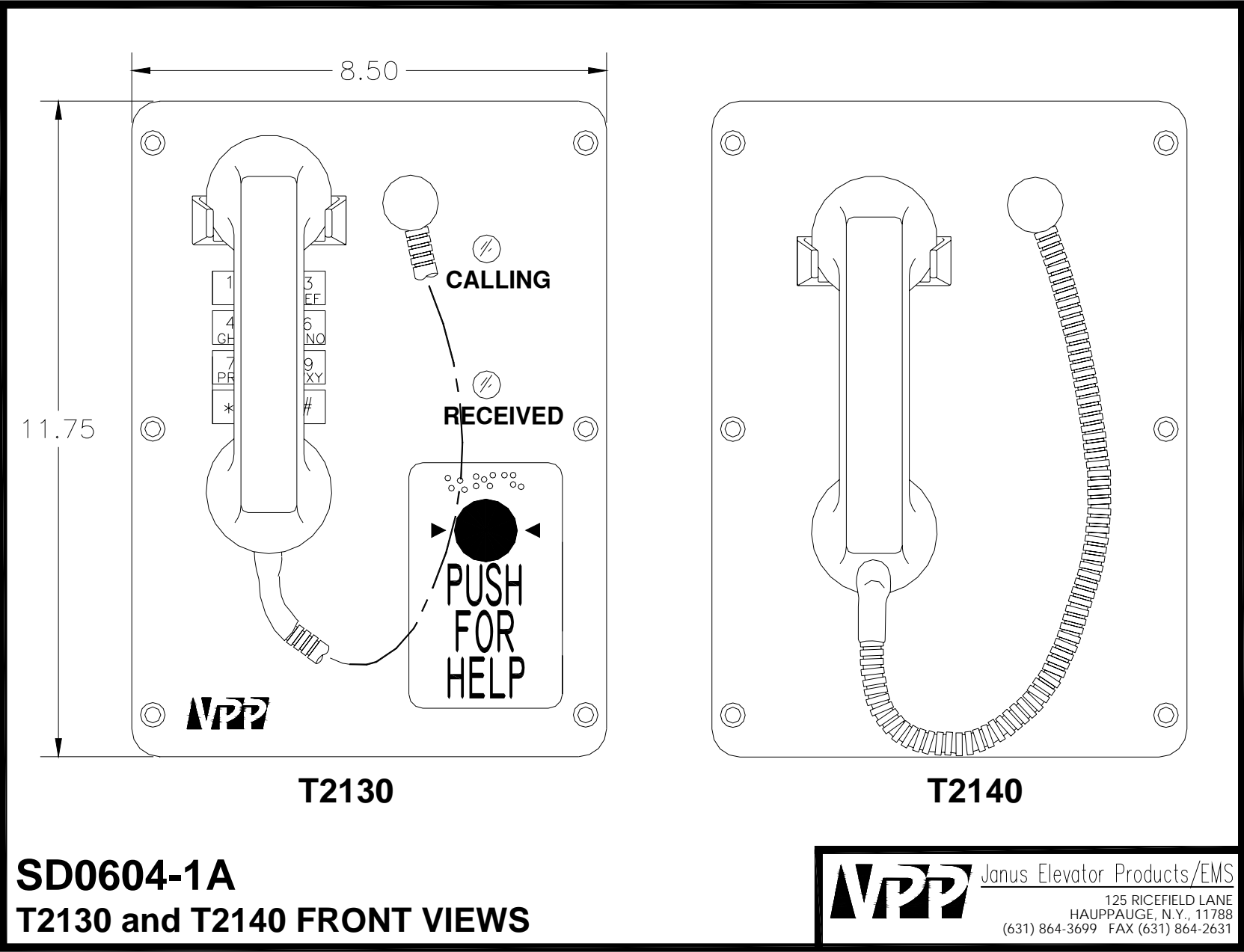
The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

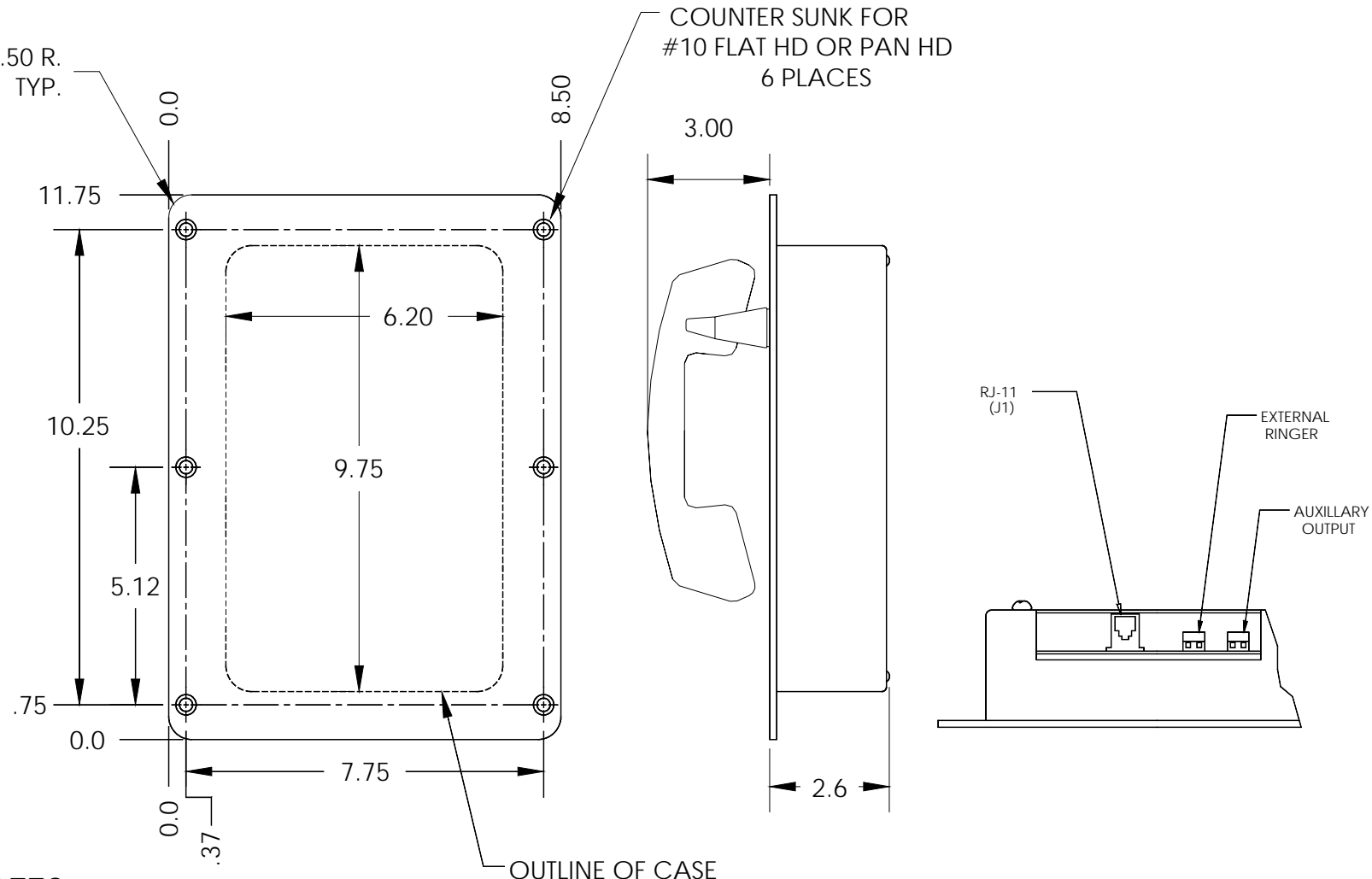
If trouble is experienced with this equipment, for repair or warranty information, please contact EMS 1-800-527-9156. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

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.





NOTES

1. FRONT PANEL: 304 SS, .100 THK.

SD0604-2A

MOUNTING & CONNECTION DIAGRAM FOR T2130 & T2140 HANDSET UNITS

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