

Specifications

Central Processor Board

- Eight stations, expandable to 24
- Two telephone lines, expandable to eight
- A 100 call log of caller name,* number,* time and date of call can be viewed at any telephone station (*call display feature must be enabled by local telephone company).
- Four programmable outputs can be programmed to operate when any or a selected line rings, when a page is performed, or to activate an electric door strike from any telephone or internal intercom station.
- RCA input: connect audio equipment for an external source of system background and hold music
- Paging output: In addition to using built-in telephone and intercom speakers, connect additional external speakers for paging.
- Emergency jack – A backup analog telephone connected to an emergency telephone jack on line 1 which can be used in the event of complete AC and battery failure.
- Super-cap memory retention – maintains all programming for up to two weeks in the event of a complete power failure.
- Overcurrent, transient and lightning / surge circuit protection

Power Requirements

- 29VDC, 2A (included)
- Two 12V, 7Ah, rechargeable gel-cell batteries

Communiqué Digital Message Center Card

- Adds 24 private mailboxes and one system mailbox for voice messages
- One recorded greeting per station mailbox; five recordable system greetings
- 100 message buffer records message, caller telephone number*, date and time (*call display feature must be enabled by local telephone company)
- Three answering modes: Normal, Automated Attendant and Night Sentry
- Messages can be retrieved from a remote location; "toll saver" feature provides indication of new messages when calling from remote locations
- Messages can be sent to other station mailboxes

Digital Telephone Station

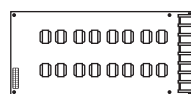
- Eight incoming telephone Line keys
- 24 Station keys
- 19 function keys
- 32 character alphanumeric backlit display with adjustable brightness and contrast
- 16 character programmable station and line labels
- All keys are backlit with adjustable brightness

- System programming accessible from any telephone station
- Multiple security Personal Identification Numbers (PINs) to prevent unauthorized access to programming, remote access, room monitoring and answering of a door station.
- Prime line access – program stations to automatically seize a specific line when the handset is lifted or the handsfree key is pressed from a telephone in its idle state.
- Loud bell control – program lines to activate an external bell on incoming calls
- Choice of four ring styles for audible station differentiation.
- Line callback and camp-on will notify the user when a busy telephone line becomes free
- System and Exclusive hold – a call which can be placed on hold can be retrieved system-wide or from the initiating station, respectively.
- Hold and transfer recall – a call placed on hold or transferred to another station will recall the initiating station if not answered after a programmed period of time.
- Executive override enables user to interrupt any line conversation; feature may be PIN protected to prevent unauthorized use
- Alarm clock – select radio or chime alarm; program alarm to seven day schedule
- Infrared receiver passes signals from any infrared controller (TV, VCR, etc.) to transmitters located anywhere in the building to control infrared devices.
- DTMF and pulse signaling
- Automatically displays AC and battery trouble conditions
- Optional wall-mounting

For a complete description of these and other Communiqué functions and their operation, please consult the Communiqué Operation Manual.

Expansion Cards

Communiqué Station Card



Adds eight additional stations per card; up to two station cards can be added to the system for a total of 24 stations.

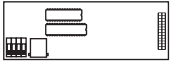
Communiqué Central Office Card



Adds two additional telephone lines per card; up to three central office cards can be added to the system for a total of eight telephone lines.

Specialty Cards

Communiqué Security Interface Card



Provides telephone access to a MAXSYS or Power832 security systems; operates associated X-10 automation devices; provides voice prompts for security system programming and operation and feedback of system status.

Communiqué Modem Card



Provides a 1200 baud modem for remote diagnostics using standard terminal emulation software; includes two RS232 ports – up to 9600 baud – for on-site diagnostics using standard terminal emulation software.

Out of the Box

Make sure that the following components are included with your telephone system

- one Communiqué control unit and cabinet
- one Installation Manual and one Operation Manual (for the end user)
- one CT-8 Cable Tester (CT-8R receiver and CT-8T transmitter)
- one message center card, installed
- ground connection assembly
- battery jumper wire
- power supply and mounting bracket
- cabinet lock with clip

Intercom Stations

Communiqué Internal Intercom Station

- Handsfree microphone and speaker for two-way communication; volume control
- Do not disturb setting programmable from any telephone station

Communiqué Door Intercom Station

- Handsfree microphone and speaker for two-way communication
- Doorbell button will sound door chime at programmed stations
- Door stations can be programmed to be forwarded to an off-premise telephone number

Communiqué Dual Analog Interface Units

Provides an interface between the digital telephone system and two analog telephone devices, such as fax machines, computer modems and cordless/standard analog telephone sets. This device will save having to install a separate telephone line for each device. Each interface occupies a separate station.

Installation Steps

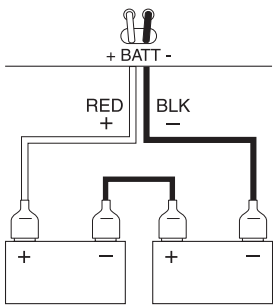
When installing the Communiqué, we recommend working from a plan. Create a diagram which includes the location of all telephone sets, intercom and door stations and the control unit. Working in this manner will greatly reduce both the installation and troubleshooting time required to get the system up and running.

Once installed, the system should be thoroughly tested to ensure proper operation.

Connector Descriptions

Battery Connection (+BATT-)

Two 12V 7Ah rechargeable gel-cell batteries in series (see Diagram) are used as a backup source of power in the event of an AC power failure.



Connect the RED battery lead from the control panel to the positive battery terminal of one battery, connect the BLACK battery lead to the negative battery terminal of the other battery. Connect the other two terminals with the jumper wire provided.

! The battery must be connected before the AC power source. Do not apply power until all other wiring is complete.

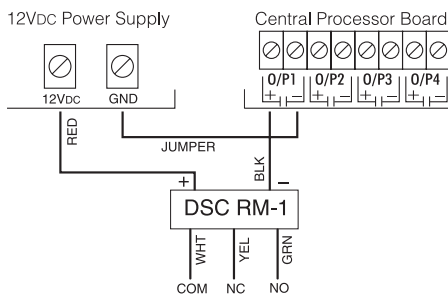
AC Jack (AC)

The Communiqué requires a 29V, 2 A power supply (provided). Plug the Power Supply into a 120V AC outlet and then plug the power supply into this jack, located at the bottom right of the control panel.

! Connect the battery before you connect AC. Do not apply power until all other wiring is complete.

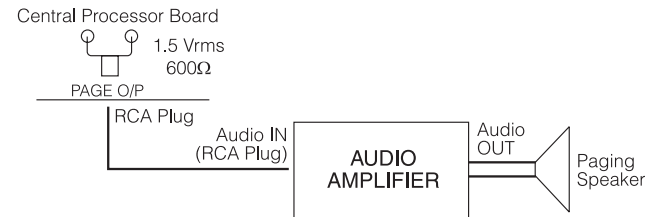
Programmable Outputs 1 through 4 (O/P 1-4)

Each terminal provides a switch to ground when programmed to activate devices requiring power. Connect the positive side of any device to 12VDC and the negative to the "+" output terminal on the control unit. Connect the ground of the 12V power supply to the "-" output terminal. When the output is activated, the connection will be made to power the device.



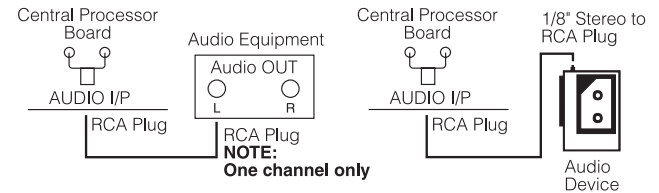
Paging Output (PAGE O/P)

The paging output is designed so that a speaker can be added to the system. In addition to the speakers on the telephones and intercoms, the external speaker will broadcast an all page. Using RCA type connectors and cable, connect one plug to the PAGE O/P (output) jack on the control panel and the other to the input jack of the speaker's audio amplifier (see diagram below).



Audio Input (AUDIO I/P)

RCA Jack (Mono) – Audio equipment may be connected to the RCA Audio input jack to provide a source of background and hold music. Equipment with a line out can be connected to the central processor board using an RCA type plug for the Audio Input jack and a plug appropriate for the music source. Below are two examples of different types of audio equipment, each requiring a different output plug. These plugs and cables are not included with the Communiqué.



Modular Jack (FM Stereo) – A proprietary tuner card can be connected to the central processor board.

Station Wiring

All stations must be home run to the Communiqué control unit. When using standard 22-gauge 4-wire quad, telephone, intercom and door stations should not be located more than 1500' (750m) from the Communiqué control panel.

Cable Types

There are two types of cables used when wiring the Communiqué telephone system: swapped and straight-through cable.

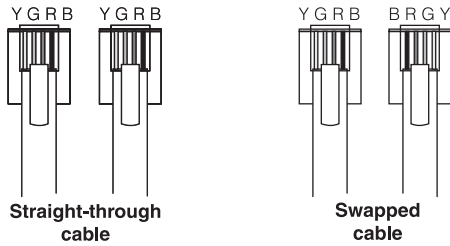
Swapped Cable

This type of cable is required for connecting each telephone set and Dual Analog Interface unit. A swapped or "cross-wired" cable can be identified by holding both plugs of a cable side by side, tabs facing up. If the order of the colors of the conductors in one jack, from left to right, is opposite from the colors in the other jack, the cable is swapped.

Straight-Through Cable

This type of cable is used to connect the intercom and door stations to the control unit. A straight through cable can be identified by holding both plugs of a cable side by side, tabs facing up. If the order of the colors of the conductors in one jack, from left to right, is the same as the colors in the other jack, the cable is straight through.

The following diagram illustrates both cable types:



CT-8 Cable Tester

! *The CT-8 cable tester is designed to be used by qualified personnel only. CAUTION: The cable tester should only be used to test inactive cables.*

The CT-8 cable tester is a device used to test modular cable for defects (shorts, opens, etc.). The CT-8 will test any cable - from 1-pair up to 4-pair - which is terminated with modular plugs on both ends. The sets of four lights on the transmitter and receiver will indicate normal or irregular wiring conditions according to how they light up.

The cable tester has two parts:

- One CT-8T Transmitter Unit: a battery-operated electronic sequence generator with four green LEDs and two modular jacks (one 8-pin and one 6-pin)
- One CT-8R Receiver Unit: four green LEDs, four red LEDs and two modular jacks (one 8-pin and one 6-pin)

Position of Conductors

When using four-, six- or eight-conductor cables, the conductors are identified by number (1-4, 1-6 or 1-8), from left to right when looking at the plug with the tab facing towards you.

Using the Cable Tester

Select the cable you wish to test. Plug one modular connector into the appropriate jack (6- or 8-pin) on the transmitter unit; plug the other modular connector into the appropriate jack on the receiver unit. The units will complete a circuit through the two wires in each pair of the cable one at a time, continuously cycling through up to four pairs.

Observe the sets of four LEDs on the transmitter and receiver units. When testing 1-pair cable, light 1 will represent the two conductors. For 2- to 4-pair cables, each pair of conductors will be represented by one of the four sets of lights according to the following table:

Light #	Cable Type		
	4 Conductor (2 pair)	6 Conductor (3 pair)	8 Conductor (4 pair)
1	pos. 2 and 3	pos. 3 and 4	pos. 4 and 5
2	pos. 1 and 4	pos. 2 and 5	pos. 3 and 6
3	—	pos. 1 and 6	pos. 2 and 7
4	—	—	pos. 1 and 8

The green lights on the cable tester transmitter and either the green or the red lights on the receiver unit will flash if the cable is in good working order. If the green lights on the receiver unit flash, the cable is swapped and in good working order. If the red lights on the receiver unit flash, the cable is straight through and in good working order. The lights on the two units will flash simultaneously following patterns indicated in the following table:

# of pairs	Light flashing pattern
1 pair	1 (pause) 1 (pause) 1 (pause) ...
2 pair	1, 2 (pause) 1, 2 (pause)
3 pair	1, 2, 3 (pause) 1, 2, 3 (pause)...
4 pair	1, 2, 3, 4 (pause) 1, 2, 3, 4 (pause)...

Any deviation from this flashing pattern means that one or more of the conductors are defective.

There are certain Communiqué options which are only to be programmed by the installer. Such options include system timers, line programming, station allocation, plus others. To access installer's programming, press the PGM key three times. The display may prompt you for the installer PIN. If the correct PIN is entered, or if no PIN is required, the display will read...

```
Select Installer  
Program Item
```

From this point, enter the key corresponding to the option you wish to program. The function and programming of each option are described in detail in the following sections.

In order for the system to accept any programming, the PGM key must be pressed after each entry. **If the PGM key is not pressed before exiting any programming section, any changes you wish to be executed will not be made.** To exit installer's programming, press the Handsfree key until the time and date appear on the visual display.

Installer's PIN

```
PGM PGM PGM LINE 1 LINE 1
```

A Personal Identification Number (PIN) is a four-digit code which, when programmed, will ensure that only a person with that number will be able to access installer's programming. The System PIN, programmed by the end user, can also be programmed in this section.

To program a PIN, enter installer's programming and press the Line 1 key. The key will begin to flash slowly and the display will read...

```
Program Installer  
or System PIN
```

Press the Line 1 key again. Station keys 10 and 11 will turn on. The display will read...

```
Select Installer  
or System PIN
```

Press the Station 10 key to select the Installer's PIN. The display will read...

```
Installer  
PIN > XXXX -_
```

Enter your new Installer PIN or press the [#] key to delete the current PIN. **You must enter four digits.**

To program a System PIN, press the Station 11 key from the "Select Installer or System PIN" prompt. Press the PGM key to confirm the entry of each PIN.

Programming System Timers

```
PGM PGM PGM LINE 2 LINE 2
```

There are 15 programmable timers available on the system (see list below). To program the system timers, enter installer's programming and press the Line 2 key. The display will read...

```
Program System  
Timers
```

Press the Line 2 key again. The display will read...

```
Select Timer  
Option
```

Station keys 10 through 24 will turn ON, each key representing a different system timer option. Press a lit Station key to select an option to program. Edit the selected timer period using the number pad and press the PGM key to save the entry.

The following is a list of all available timer options and brief description of each:

Key Display Message Description

- 10 Flash Timer
22 *32msec -
A programmable period of time for which a line will be interrupted when the hook switch is quickly pressed and released. Enter two digits from 00 to 60 (entries are multiplied by 32 milliseconds).
- 11 Recall Timer
120 Second -
The length of time a call will remain on hold before recalling the person who initiated the hold. Enter three digits - from 000 to 255 seconds.
- 12 Line Resp Timer
15 *100mS -
Determines how long the search for a loop current will take place for after a line key is pressed. Enter three digits - from 000 to 255 (entries are multiplied by 100 milliseconds).
- 13 Dialtone Detect
10 Second
The amount of time a search for dial tone will take place before force dialing (e.g. speed dialing). Enter three digits - from 000 to 255 seconds.
- 14 Make Timer
10 *4mS -
Determines the Make time of the Make/Break ratio for pulse dialing applications. Enter two digits - from 00 to 50 (entries are multiplied by 4 milliseconds).
- 15 Break Timer
15 *4mS -
Determines the Break time of the Make/Break ratio for pulse dialing applications. Enter two digits - from 00 to 50 (entries are multiplied by 4 milliseconds).
- 16 Pulse Inter Dig
80 *4mS -
Determines the length of time between digits when dialing. Enter three digits - from 000 to 255 (entries are multiplied by 4 milliseconds).
- 17 Greeting Timer
60 Second -
Determines the maximum length of all recorded greetings in the Message Center. Enter three digits - from 000 to 255 seconds.

- 18 **Message Timer**
60 Second -
Determines the maximum length of a message recorded in the Message Center. Enter three digits - from 000 to 255 seconds.
- 19 **MCTR Overflow**
18 Second -
If a call goes to the Message Center while the Message Center is busy, the call will keep trying to enter the Message Center for the programmed time. Enter three digits - from 000 to 255 seconds.
- 20 **Minimum Message**
3 Second -
Determines the minimum length of a message that can be recorded. Enter three digits - from 000 to 255 seconds.
- 21 **Speed Dial Pause**
2 Second -
Determines the length of a pause digit (Hold key) when programming a speed dial. Enter one digit - from 0 to 9 seconds.
- 22 **Door STA Timer**
3 second -
Determines the length of time a door strike will be active for. Enter three digits - from 000 to 255 seconds.
- 23 **Line On hook**
12 *100mS -
Determines the time interval between when you hang up the phone and when the line is released. Enter three digits - from 000 to 255 (entries are multiplied by 100 milliseconds).
- 24 **Alarm Clock**
1 Minute -
Determines the maximum length of time that the alarm clock will sound. Enter three digits - from 000 to 255 minutes.

To select an output to be programmed, press the corresponding lit Station key. For example, to program output 1, press the Station 10 key. The key will start flashing slowly and the display will read...

PGM OUT 1
No Port Assigned

To select this output, press the slowly flashing Station 10 key again. Line keys 1 through 8 and any Station key corresponding to a Door Station will be lit along with the Speed Dial and All Page keys. If one of the Line keys is pressed, the PGM Output will activate when that particular Line rings. If Line 1 is selected, the display will read...

PGM OUT 1
Line 1

If the Speed Dial key is pressed, the PGM Output will activate when any of the Lines ring. The display will read...

PGM OUT 1
All Ring Lines

If the All Page key is pressed, the PGM Output will activate when an All Page occurs. The display will read...

PGM OUT 1
Paging Output

The PGM out can also be used to activate a door strike. After the door bell has been answered, the PGM output programmed as a door strike can be activated by pressing the Station key corresponding to the selected door station. The display will read...

PGM OUT 1
Station 10

To delete an assignment to a particular PGM Output, press the [#] key. The display will read...

PGM OUT 1
No Port Assigned

When the desired PGM Out option is programmed, press the PGM key.

Programming System PGM Outputs

PGM PGM PGM LINE 5 LINE 5

Any of the four programmable (PGM) outputs can be programmed to activate when phone lines ring or after an All Page is performed. The PGM outputs can be used to activate door strikes.

To program the PGM outputs, enter installer's programming and press the Line 5 key. The display will read...

Program PGM OUT
1 through 4

Press the Line 5 key again. Station keys 10 to 13 – corresponding to PGM outputs 1-4 – will turn ON and the display will read...

Select PGM OUT
to Program

! *To activate a door station remotely, refer to "Call Forwarding" in the Operation Manual.*

Selecting Pulse or Tone Dialing

PGM PGM PGM STATION 25 STATION 25

Each of the eight lines can be programmed for either pulse or tone dialing. By default, all lines are programmed for tone dialing. To program this option, enter installer's programming and press the Station 25 key. The display will read . . .

Prog Lines for
Pulse/Tone

Press the Station 25 key again. Line keys 1 through 8 will be either lit solid or flashing quickly and the display will read. . .

Select a Line
to Program

If a line key is lit solid, the line is programmed for tone dialing; if a line key is flashing quickly, it is programmed for pulse dialing. To change the dialing method for a selected line, press the corresponding line key to toggle between the two settings.

To save any changes, press the PGM key.

! If a telephone line accepts DTMF digits, it must be programmed as tone dialing in this section.

Line Ringing and Access

PGM PGM PGM STATION 11 STATION 11

Each station can be programmed to have access to specific outside lines. Stations can also be programmed to not ring for certain lines.

To program this option, enter installer's programming and press the Station 11 key. The display will read...

```
Program Line
Ring and Access
```

Press the Station 11 key again. Station keys 10 through 33 will be lit solid and the display will read...

```
Select a Station
to Program
```

To program a station, press the corresponding Station key. For example, if the Station 10 key is pressed, the key will start flashing slowly and the display will read...

```
Ring and Access
Station 10
```

Line keys 1 through 8 will be either lit solid, flashing quickly or OFF, indicating the line status for Station 10:

- Flashing quickly Ringing and access
- Lit solid Access only; no ringing
- OFF No ringing or access

To change the ringing and access setting for Line 1, press the Line 1 key until the desired setting appears on the display. The displays for each setting will appear as follows...

```
Station XX      Station XX      Station XX
LX Access Only  LX Ring&Access  LX No Access
```

The PGM key must be pressed to select and save the new setting. To program another line, press another Line key.

! If a station is programmed to have "Access Only" to a Line, the station will not receive call display information until the incoming call on that line has been answered.

Prime Line Programming

PGM PGM PGM LINE 3 LINE 3

When the prime line feature is activated for a telephone station, a specified outgoing line will automatically be seized when the handset is lifted or the Handsfree key is pressed. A different prime line can be selected for different telephone stations. By default, all stations have the prime line feature enabled for line 1.

To program this option, enter installer's programming and press the Line 3 key. The display will read....

```
Program
prime line
```

Press the Line 3 key again. The display will read...

```
Set prime line
Select Station
```

All Station keys will turn ON; the stations with the prime line feature enabled will be flashing quickly. To program a station, press the corresponding Station key. The key will flash slowly and the display will read...

```
Station Label
prime line=Line 1
```

Press the Line key that you wish to have as your prime line. Press the PGM key to save the entry.

To disable the prime line feature, press the [#] key. The display will read...

```
Station Label
prime line=NONE
```

Press the PGM key to save the entry. The corresponding Station key will now be lit solid to indicate that the prime line feature has been disabled.

! A prime line cannot be programmed for DAI stations.

Ringing Line Preference

PGM PGM PGM STATION 23 STATION 23

When the Ringing Line Preference feature is enabled for a station, an incoming call can be answered by lifting the receiver or pressing the Handsfree key, without having to press the line key corresponding to the incoming call. If there are two incoming calls at a station, they will be answered according to which line rang first. When the user hangs up from the first call, the second call will start to ring and can be answered by lifting the receiver or pressing the Handsfree key. By default, this feature is enabled at every station.

To program this feature, enter installer's programming and press the Station 23 key. The display will read...

```
Program Ring
Line Preference
```

To enter this section, press the Station 23 key again. The display will read...

```
Assign Ring
Line Preference
```

Station keys 10 to 33 will either be lit solid or flashing quickly indicating the Ringing Line Preference status of each station. If the Station key is lit solid, the feature is turned OFF. If the Station key is flashing quickly, the feature is turned ON.

To turn Ringing Line Preference ON or OFF at a particular station, press the corresponding Station key. To select another station, press another Station key. When all the stations are programmed, press the PGM key to save the changes.

Assigning Call Display Lines

PGM PGM PGM STATION 24 STATION 24

When the call display feature is enabled by the local telephone company, the telephone number will not appear until after the first ring. The Communiqué can compensate for this lag by not sounding an incoming call until call display information can be viewed. By default, all Communiqué lines are programmed as call display lines.

To program call display lines, enter installer's programming and press the Station 24 key. The display will read...

Assign Call
Display Lines

Press the Station 24 key again. The display will read...

Press a Line Key
to Program

Line keys 1 through 8 will be either lit solid or flashing quickly; if the line key is flashing quickly, the feature is enabled and incoming calls on that line will not sound until call display can be viewed. If the line key is lit solid, the feature is disabled and the call display information will not be shown.

To turn this feature ON or OFF for a line, press the corresponding line key. When all lines have been programmed, press the PGM key.

Recording Notification

PGM PGM PGM STATION 13 STATION 13

By default, the system is programmed to notify both parties when call recording is initiated. Both the caller and the user will hear the voice message "Recording" over the line when recording has begun. This notification can be disabled upon the request of the user.

To program recording notification, enter installer's programming and press the Station 13 key. The display will read...

Enable Record
Notification

To select this feature, press the Station 13 key again. Station keys 10 and 11 will be lit and the display will read...

Notification
ON/OFF

To turn recording notification ON, press the Station 10 key followed by the PGM key. To turn the feature OFF, press the Station 11 key followed by the PGM key.

Selecting Music or Ringback During Transfer

PGM PGM PGM LINE 6 LINE 6

When a call is transferred to another station, the caller can hear either background music or ringing.

To select either background music or ringing during call transferring, enter installer's programming and press the Line 6 key once. The display will read...

Music/Ringback
During Transfer

Press the Line 6 key again. Station keys 10 and 11 will turn ON. To select music during a transfer, press the Station 10 key. The display will read...

MUSIC
During Transfer

To select ringback during a transfer, press the Station 11 key. The display will read...

RINGBACK
During Transfer

When the desired transfer option is displayed, press the PGM key to save the entry.

Programming "Ring No Answer" Options

PGM PGM PGM LINE 8 LINE 8

You can program which type of greeting will be played by the Message Center if the system is in the Normal answering mode. The following greeting options are available:

- **Option 1: Ring No Answer Greeting** - The greeting will prompt the user to enter the appropriate mailbox number when a call is unanswered.
- **Option 2: Station Greeting** - The caller will hear the selected station greeting and the message will be left in the corresponding station mailbox.
- **Option 3: System Greeting** - The caller will hear the system greeting and the message will be left in the system mailbox.

To program message center options, enter installer's programming and press the Line 8 key. The display will read...

Program Lines
RNA Mailbox

Press the Line 8 key again. Line keys 1 to 8 will turn ON and the display will read...

Select a Line

Press each of the lit Line keys one after the other to view the current greeting assigned to each line. When the line you wish to program appears on the display, press the flashing Line key again (for example, the Line 1 key). The key will begin to flash slowly and the display will read...

Line 1
RNA Greeting

The display shows that the first greeting option has been selected. Press the Line 1 key again to select another greeting option. All Station keys and the Message Center key will be lit.

To assign a station greeting to Line 1, press the Station key corresponding to station greeting you wish to be heard. The key will begin flashing quickly and the display will read...

```
Line 1
Station XX
```

To assign the system mailbox greeting to Line 1, press the Message Center key. The key will begin flashing quickly and the display will read...

```
Line 1
System Mailbox
```

To assign the Ring No Answer greeting to line 1, press the Line 1 key. The key will begin to flash quickly and the display will read...

```
Line 1
RNA Greeting
```

When the desired greeting has been selected, press the PGM key to save the entry. To select another Line to program, press another Line key.

Programming Do Not Disturb

```
PGM PGM PGM STATION 22 STATION 22
```

This feature allows you to determine which stations can activate the do not disturb mode. To access this function, enter installer's programming and press the Station 22 key. The display will read...

```
Program DND
Allow
```

To enter this section, press the Station 22 key again. The display will read...

```
Allow DND
```

Station keys 10 through 33 will be either lit solid or flashing quickly; if do not disturb is enabled for a particular station, the corresponding Station key will be flashing quickly. If the feature is disabled, the Station key will be lit solid.

To toggle the feature ON and OFF at a particular station, press the corresponding Station key. When the correct settings have been selected, press the PGM key.

Reinitializing Factory Default Programming

System Initialization

```
PGM PGM PGM STATION 33 STATION 33
```

Initializing the system to its default programming will delete all programmed data and return the Communiq e to its original configuration.

To initialize system programming, enter installer's programming and press the Station 33 key. The display will read...

```
System
Initialization
```

Press the Station 33 key again. The display will read...

```
Database Init?
9=Yes/6=No
```

To initialize the system, press "Y" (the [9] key). The display will read...

```
PGM = Confirm
Any Key = Abort
```

If the PGM key is pressed, initialization will begin and the display will read...

```
Initializing
```

After initialization is complete, all stations will return to the default settings and the display will show the time and date.

If "N" ([6]) is pressed at the "Database Init?" prompt or any key other than the PGM key is pressed at the confirmation prompt, the initialization will be aborted and the display will return to the "System Initialization" prompt.

System List Initialization

```
PGM PGM PGM STATION 10 STATION 10
```

The three directories – station and system speed dials and night sentry codes – can also be initialized without having to perform a system wide initialization.

To clear a directory, enter installer's programming and press the Station 10 key. The display will read...

```
System List
Initialization
```

To select this feature, press the flashing Station 10 key again. The display will read...

```
Select List to
Initialize
```

Station keys 10 through 12 will be illuminated representing the three different lists available.

- Station 10 - Delete Station Speed Dial Directory Y/N
- Station 11 - Delete System Speed Dial Directory Y/N
- Station 12 - Delete Night Sentry Codes Y/N

To select a directory, press the corresponding Station key. For example, to delete the station speed dial directory, press the Station 10 key. The key will flash and the display will read...

```
Delete STA Speed
Dial Dir [N]
```

To delete the directory, press "Y" ([9]) followed by the PGM key. The selected list will instantly be deleted and the display will read...

```
Initializing
```

If you do not want to delete the directory, press "N" ([6]) followed by the PGM key or press the Handsfree key. To select another list to delete, press another lit Station key.

For the Record

Customer: _____

Address: _____

Telephone: _____ Installation date: _____

Installer's PIN: _____

Installed Equipment

Central Processor Board – Location: _____

- | | |
|--|--|
| <input type="checkbox"/> Station Expansion Card (Quantity: _____) | <input type="checkbox"/> Security Interface Card |
| <input type="checkbox"/> Central Office Card (Quantity: _____) | <input type="checkbox"/> Tuner Card (AM/FM Radio Unit) |
| <input type="checkbox"/> Modem Card | <input type="checkbox"/> Message Center |

Stations

Station N°	Station type	Location
Station 10	_____	_____
Station 11	_____	_____
Station 12	_____	_____
Station 13	_____	_____
Station 14	_____	_____
Station 15	_____	_____
Station 16	_____	_____
Station 17	_____	_____
Station 18	_____	_____
Station 19	_____	_____
Station 20	_____	_____
Station 21	_____	_____
Station 22	_____	_____
Station 23	_____	_____
Station 24	_____	_____
Station 25	_____	_____
Station 26	_____	_____
Station 27	_____	_____
Station 28	_____	_____
Station 29	_____	_____
Station 30	_____	_____
Station 31	_____	_____
Station 32	_____	_____
Station 33	_____	_____

The default settings for each programming section are indicated in bold.

Installer's PIN

PGM PGM PGM LINE 1 LINE 1 **Page 6**
 | | | | |

System Timers

PGM PGM PGM LINE 2 LINE 2 **Page 6**

Flash Timer (00 - 60 x 32 msec)	0 2 2		Message Timer (001 - 255 sec)	0 6 0	
Recall Timer (000 - 255 sec)	1 2 0		MCTR Overflow (001 - 255 sec)	0 1 8	
Line Resp Timer (000 - 255 x 100 msec)	0 1 5		Minimum Message (001 - 255 sec)	0 0 3	
Dialtone Detect (000 - 255 sec)	0 1 0		Speed Dial Pause (01 - 10 sec)	0 2	
Make Timer (01 - 50 x 4 msec)	1 0		Door STA Timer (000 - 255 sec)	0 0 3	
Break Timer (01 - 50 x 4 msec)	1 5		Line Onhook (001 - 255 x 100 msec)	0 1 2	
Pulse Inter Dig (01 - 255 x 4 msec)	0 8 0		Alarm Clock (001 - 255 min)	0 0 1	
Greeting Timer (001 - 255 sec)	0 6 0				

Setting Serial Port Baud Rates

See Modem Card Installation Instructions for details.

Port 1 1200 2400 4800 9600 Port 2 1200 2400 4800 9600

Dual Analog Interface Unit Programming (8 max)

Second Station Programming

PGM PGM PGM LINE 4 LINE 4 **See DAI Unit Installation Instructions for details**

	First Station	Second Station		First Station	Second Station
DAI 1	Station 10	Station	DAI 5	Station 14	Station
DAI 2	Station 11	Station	DAI 6	Station 15	Station
DAI 3	Station 12	Station	DAI 7	Station 16	Station
DAI 4	Station 13	Station	DAI 8	Station 17	Station

Programming System PGM Outputs

PGM PGM PGM LINE 5 LINE 5 **Page 7**

	Line 1	Line 2	Line 3	Line 4	Line 5	Line 6	Line 7	Line 8	All Lines	Page O/P	Door Station
Output 1											
Output 2											
Output 3											
Output 4											

Selecting Pulse or Tone Dialing

PGM PGM PGM STATION 25 STATION 25 **Page 7**

Line 1	Tone Pulse	Line 5	Tone Pulse
Line 2	Tone Pulse	Line 6	Tone Pulse
Line 3	Tone Pulse	Line 7	Tone Pulse
Line 4	Tone Pulse	Line 8	Tone Pulse

Ringing Line Preference

<input type="text" value="PGM"/>	<input type="text" value="PGM"/>	<input type="text" value="PGM"/>	<input type="text" value="STATION 23"/>	<input type="text" value="STATION 23"/>	Page 9						
Station 10	Yes / No	<input type="checkbox"/>	Station 16	Yes / No	<input type="checkbox"/>	Station 22	Yes / No	<input type="checkbox"/>	Station 28	Yes / No	<input type="checkbox"/>
Station 11	Yes / No	<input type="checkbox"/>	Station 17	Yes / No	<input type="checkbox"/>	Station 23	Yes / No	<input type="checkbox"/>	Station 29	Yes / No	<input type="checkbox"/>
Station 12	Yes / No	<input type="checkbox"/>	Station 18	Yes / No	<input type="checkbox"/>	Station 24	Yes / No	<input type="checkbox"/>	Station 30	Yes / No	<input type="checkbox"/>
Station 13	Yes / No	<input type="checkbox"/>	Station 19	Yes / No	<input type="checkbox"/>	Station 25	Yes / No	<input type="checkbox"/>	Station 31	Yes / No	<input type="checkbox"/>
Station 14	Yes / No	<input type="checkbox"/>	Station 20	Yes / No	<input type="checkbox"/>	Station 26	Yes / No	<input type="checkbox"/>	Station 32	Yes / No	<input type="checkbox"/>
Station 15	Yes / No	<input type="checkbox"/>	Station 21	Yes / No	<input type="checkbox"/>	Station 27	Yes / No	<input type="checkbox"/>	Station 33	Yes / No	<input type="checkbox"/>

Assigning Call Display Lines

<input type="text" value="PGM"/>	<input type="text" value="PGM"/>	<input type="text" value="PGM"/>	<input type="text" value="STATION 24"/>	<input type="text" value="STATION 24"/>	Page 9	
Line 1	Yes / No	<input type="checkbox"/>	Line 5	Yes / No	<input type="checkbox"/>	
Line 2	Yes / No	<input type="checkbox"/>	Line 6	Yes / No	<input type="checkbox"/>	
Line 3	Yes / No	<input type="checkbox"/>	Line 7	Yes / No	<input type="checkbox"/>	
Line 4	Yes / No	<input type="checkbox"/>	Line 8	Yes / No	<input type="checkbox"/>	

Recording Notification

<input type="text" value="PGM"/>	<input type="text" value="PGM"/>	<input type="text" value="PGM"/>	<input type="text" value="STATION 13"/>	<input type="text" value="STATION 13"/>	Page 10	
Yes / No		<input type="checkbox"/>				

Selecting Music or Ringback During Transfer

<input type="text" value="PGM"/>	<input type="text" value="PGM"/>	<input type="text" value="PGM"/>	<input type="text" value="LINE 6"/>	<input type="text" value="LINE 6"/>	Page 10	
Music	Ringback					

Programming "Ring No Answer" Options

<input type="text" value="PGM"/>	<input type="text" value="PGM"/>	<input type="text" value="PGM"/>	<input type="text" value="LINE 8"/>	<input type="text" value="LINE 8"/>	Page 10	
Line 1	Station	<input type="text" value=" _ _ "/>	System Mailbox	RNA Greeting		
Line 2	Station	<input type="text" value=" _ _ "/>	System Mailbox	RNA Greeting		
Line 3	Station	<input type="text" value=" _ _ "/>	System Mailbox	RNA Greeting		
Line 4	Station	<input type="text" value=" _ _ "/>	System Mailbox	RNA Greeting		
Line 5	Station	<input type="text" value=" _ _ "/>	System Mailbox	RNA Greeting		
Line 6	Station	<input type="text" value=" _ _ "/>	System Mailbox	RNA Greeting		
Line 7	Station	<input type="text" value=" _ _ "/>	System Mailbox	RNA Greeting		
Line 8	Station	<input type="text" value=" _ _ "/>	System Mailbox	RNA Greeting		

Programming Do Not Disturb

PGM PGM PGM STATION 22 STATION 22 **Page 11**

Station 10	Yes / No <input type="checkbox"/>	Station 22	Yes / No <input type="checkbox"/>
Station 11	Yes / No <input type="checkbox"/>	Station 23	Yes / No <input type="checkbox"/>
Station 12	Yes / No <input type="checkbox"/>	Station 24	Yes / No <input type="checkbox"/>
Station 13	Yes / No <input type="checkbox"/>	Station 25	Yes / No <input type="checkbox"/>
Station 14	Yes / No <input type="checkbox"/>	Station 26	Yes / No <input type="checkbox"/>
Station 15	Yes / No <input type="checkbox"/>	Station 27	Yes / No <input type="checkbox"/>
Station 16	Yes / No <input type="checkbox"/>	Station 28	Yes / No <input type="checkbox"/>
Station 17	Yes / No <input type="checkbox"/>	Station 29	Yes / No <input type="checkbox"/>
Station 18	Yes / No <input type="checkbox"/>	Station 30	Yes / No <input type="checkbox"/>
Station 19	Yes / No <input type="checkbox"/>	Station 31	Yes / No <input type="checkbox"/>
Station 20	Yes / No <input type="checkbox"/>	Station 32	Yes / No <input type="checkbox"/>
Station 21	Yes / No <input type="checkbox"/>	Station 33	Yes / No <input type="checkbox"/>

Emergency Keys

PGM PGM PGM SECURITY SECURITY

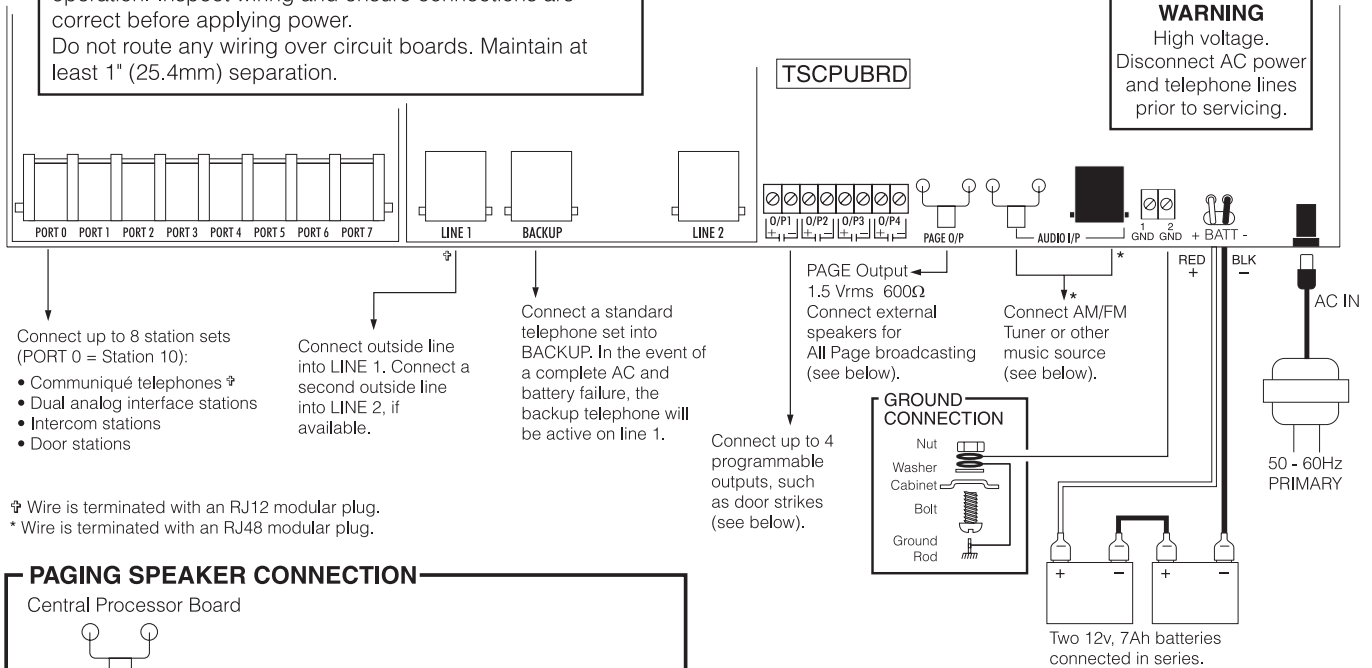
See Security Interface Card Installation Instructions for details

Station 10	F	A	P	Station 22	F	A	P
Station 11	F	A	P	Station 23	F	A	P
Station 12	F	A	P	Station 24	F	A	P
Station 13	F	A	P	Station 25	F	A	P
Station 14	F	A	P	Station 26	F	A	P
Station 15	F	A	P	Station 27	F	A	P
Station 16	F	A	P	Station 28	F	A	P
Station 17	F	A	P	Station 29	F	A	P
Station 18	F	A	P	Station 30	F	A	P
Station 19	F	A	P	Station 31	F	A	P
Station 20	F	A	P	Station 32	F	A	P
Station 21	F	A	P	Station 33	F	A	P

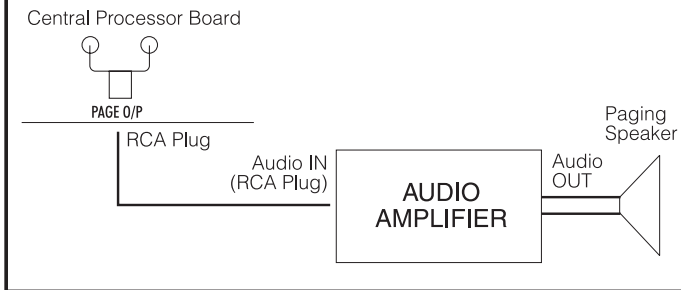
Communiqué Control Panel Wiring Diagram

WARNING: Incorrect connections may result in improper operation. Inspect wiring and ensure connections are correct before applying power. Do not route any wiring over circuit boards. Maintain at least 1" (25.4mm) separation.

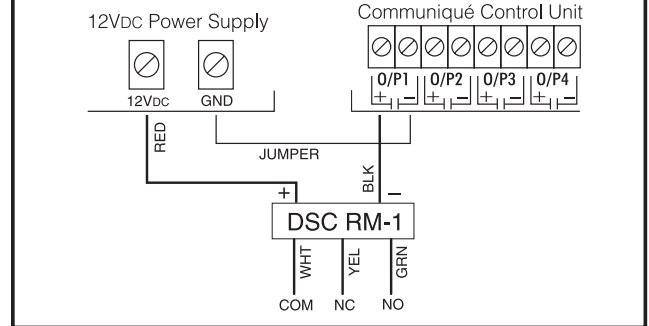
WARNING
High voltage.
Disconnect AC power and telephone lines prior to servicing.



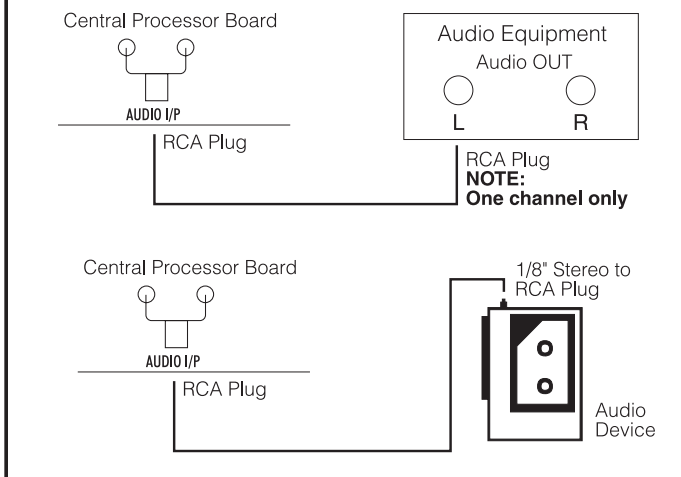
PAGING SPEAKER CONNECTION



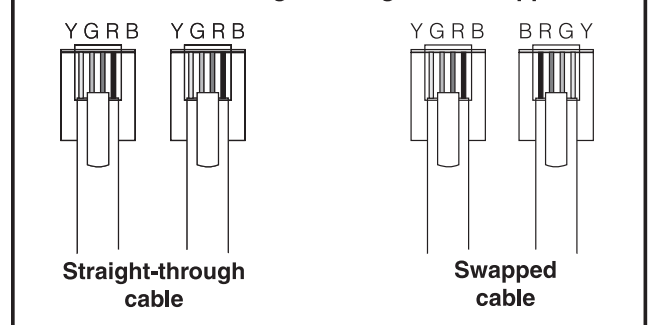
PROGRAMMABLE OUTPUT CONNECTION



AUDIO CONNECTION



CABLE TYPES: Straight-through and Swapped



PLUG TYPES

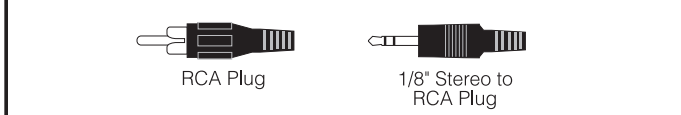


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LIMITED WARRANTY

Digital Security Controls Ltd. warrants the original purchaser that for a period of twelve months from the date of purchase, the product shall be free of defects in materials and workmanship under normal use. During the warranty period, Digital Security Controls Ltd. shall, at its option, repair or replace any defective product upon return of the product to its factory, at no charge for labour and materials. Any replacement and/or repaired parts are warranted for the remainder of the original warranty or ninety (90) days, whichever is longer. The original owner must promptly notify Digital Security Controls Ltd. in writing that there is defect in material or workmanship, such written notice to be received in all events prior to expiration of the warranty period.

International Warranty

The warranty for international customers is the same as for any customer within Canada and the United States, with the exception that Digital Security Controls Ltd. shall not be responsible for any customs fees, taxes, or VAT that may be due.

Warranty Procedure

To obtain service under this warranty, please return the item(s) in question to the point of purchase. All authorized distributors and dealers have a warranty program. Anyone returning goods to Digital Security Controls Ltd. must first obtain an authorization number. Digital Security Controls Ltd. will not accept any shipment whatsoever for which prior authorization has not been obtained.

Conditions to Void Warranty

This warranty applies only to defects in parts and workmanship relating to normal use. It does not cover:

- damage incurred in shipping or handling;
- damage caused by disaster such as fire, flood, wind, earthquake or lightning;
- damage due to causes beyond the control of Digital Security Controls Ltd. such as excessive voltage, mechanical shock or water damage;
- damage caused by unauthorized attachment, alterations, modifications or foreign objects;
- damage caused by peripherals (unless such peripherals were supplied by Digital Security Controls Ltd.);
- defects caused by failure to provide a suitable installation environment for the products;
- damage caused by use of the products for purposes other than those for which it was designed;
- damage from improper maintenance;
- damage arising out of any other abuse, mishandling or improper application of the products.

Digital Security Controls Ltd.'s liability for failure to repair the product under this warranty after a reasonable number of attempts will be limited to a replacement of the product, as the exclusive remedy for breach of warranty. Under no circumstances shall Digital Security Controls Ltd. be liable for any special, incidental, or consequential damages based upon breach of warranty, breach of contract, negligence, strict liability, or any other legal theory. Such damages include, but are not limited to, loss of profits, loss of the product or any associated equipment, cost of capital, cost of substitute or replacement equipment, facilities or services, down time, purchaser's time, the claims of third parties, including customers, and injury to property.

Disclaimer of Warranties

This warranty contains the entire warranty and shall be in lieu of any and all other warranties, whether expressed or implied (including all implied warranties of merchantability or fitness for a particular purpose) And of all other obligations or liabilities on the part of Digital Security Controls Ltd. Digital Security Controls Ltd. neither assumes nor authorizes any other person purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product.

This disclaimer of warranties and limited warranty are governed by the laws of the province of Ontario, Canada.

WARNING: Digital Security Controls Ltd. recommends that the entire system be completely tested on a regular basis. However, despite frequent testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected.

Out of Warranty Repairs

Digital Security Controls Ltd. will at its option repair or replace out-of-warranty products which are returned to its factory according to the following conditions. Anyone returning goods to Digital Security Controls Ltd. must first obtain an authorization number. Digital Security Controls Ltd. will not accept any shipment whatsoever for which prior authorization has not been obtained.

Products which Digital Security Controls Ltd. determines to be repairable will be repaired and returned. A set fee which Digital Security Controls Ltd. has predetermined and which may be revised from time to time, will be charged for each unit repaired.

Products which Digital Security Controls Ltd. determines not to be repairable will be replaced by the nearest equivalent product available at that time. The current market price of the replacement product will be charged for each replacement unit.

FCC COMPLIANCE STATEMENT

CAUTION: Changes or modifications not expressly approved by Digital Security Controls Ltd. could void your authority to use this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

The user may find the following booklet prepared by the FCC useful: "How to Identify and Resolve Radio/Television Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402, Stock # 004-000-00345-4

IMPORTANT INFORMATION

This equipment complies with Part 68 of the FCC Rules. On the side of this equipment is a label that contains, among other information, the FCC registration number of this equipment.

NOTIFICATION TO TELEPHONE COMPANY The customer shall notify the telephone company of the particular line to which the connection will be made, and provide the FCC registration number and the ringer equivalence of the protective circuit.

FCC Registration Number: F53CAN-24626-MF-E

AC REN: 1.4B

DC REN = 1.2

Service Order Code: 9.0F

USOC Jack: RJ11C

Authorized Network Ports: 02LS2

TELEPHONE CONNECTION REQUIREMENTS Except for the telephone company provided ringers, all connections to the telephone network shall be made through standard plugs and telephone company provided jacks, or equivalent, in such a manner as to allow for easy, immediate disconnection of the terminal equipment. Standard jacks shall be so arranged that, if the plug connected thereto is withdrawn, no interference to the operation of the equipment at the customer's premises which remains connected to the telephone network shall occur by reason of such withdrawal.

INCIDENCE OF HARM Should terminal equipment or protective circuitry cause harm to the telephone network, the telephone company shall, where practicable, notify the customer that temporary discontinuation of service may be required; however, where prior notice is not practicable, the telephone company may temporarily discontinue service if such action is deemed reasonable in the circumstances. In the case of such temporary discontinuance, the telephone company shall promptly notify the customer and will be given the opportunity to correct the situation.

ADDITIONAL TELEPHONE COMPANY INFORMATION The security control panel must be properly connected to the telephone line with a USOC RJ-31X telephone jack.

The FCC prohibits customer-provided terminal equipment be connected to party lines or to be used in conjunction with coin telephone service. Interconnect rules may vary from state to state.

CHANGES IN TELEPHONE COMPANY EQUIPMENT OR FACILITIES The telephone company may make changes in its communications facilities, equipment, operations or procedures, where such actions are reasonably required and proper in its business. Should any such changes render the customer's terminal equipment incompatible with the telephone company facilities the customer shall be given adequate notice to the effect modifications to maintain uninterrupted service.

RINGER EQUIVALENCE NUMBER (REN) The REN is useful to determine the quantity of devices that you may connect to your telephone line and still have all of those devices ring when your telephone number is called. In most, but not all areas, the sum of the RENs of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices that you may connect to your line, you may want to contact your local telephone company.

EQUIPMENT MAINTENANCE FACILITY If you experience trouble with this telephone equipment, please contact the facility indicated below for information on obtaining service or repairs. The telephone company may ask that you disconnect this equipment from the network until the problem has been corrected or until you are sure that the equipment is not malfunctioning.

Digital Security Controls Ltd. 160 Washburn St., Lockport, NY 14094



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1-800-387-3630
Printed in Canada 29002112 R0



Installation Manual

Software Version 1.0

• W A R N I N G •

This manual contains information on limitations regarding product use and function and information on the limitations as to liability of the manufacturer. The entire manual should be carefully read.

AVIS: L'étiquette de l'Industrie Canada identifie le matériel homologué. Cette étiquette certifie que le matériel est conforme à certaines normes de protection, d'exploitation et de sécurité des réseaux de télécommunications. Industrie Canada n'assure toutefois pas que le matériel fonctionnera à la satisfaction de l'utilisateur.

Avant d'installer ce matériel, l'utilisateur doit s'assurer qu'il est permis de le raccorder aux installations de l'entreprise locale de télécommunication. Le matériel doit également être installé en suivant une méthode acceptée de raccordement. L'abonné ne doit pas oublier qu'il est possible que la conformité aux conditions énoncées ci-dessus n'empêchent pas la dégradation du service dans certaines situations.

Les réparations de matériel homologué doivent être effectuées par un centre d'entretien canadien autorisé désigné par le fournisseur. La compagnie de télécommunications peut demander à l'utilisateur de débrancher un appareil à la suite de réparations ou de modifications effectuées par l'utilisateur ou à cause de mauvais fonctionnement.

Pour sa propre protection, l'utilisateur doit s'assurer que tous les fils de mise à la terre de la source d'énergie électrique, les lignes téléphoniques et les canalisations d'eau métalliques, s'il y en a, sont raccordés ensemble. Cette précaution est particulièrement importante dans les régions rurales.

AVERTISSEMENT: L'utilisateur ne doit pas tenter de faire ces raccordements lui-même; il doit avoir recours à un service d'inspection des installations électriques, ou à un électricien, selon le cas.

L'indice de charge (IC) assigné à chaque dispositif terminal indique, pour éviter toute surcharge, le pourcentage de la charge totale qui peut être raccordée à un circuit téléphonique bouclé utilisé par ce dispositif. La terminaison du circuit bouclé peut être constituée de n'importe quelle combinaison de dispositifs, pourvu que la somme des indices de charge de l'ensemble des dispositifs ne dépasse pas 100.

AC REN = 1.4B DC REN = 1.2

NOTICE: The Industry Canada label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operational and safety requirements. Industry Canada does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

User should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

CAUTION: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

The Load Number (LN) assigned to each terminal device denotes the percentage of the total load to be connected to a telephone loop which is used by the device, to prevent overloading. The termination on a loop may consist of any combination of devices subject only to the requirement that the total of the Load Numbers of all the devices does not exceed 100.

AC REN = 1.4B DC REN = 1.2