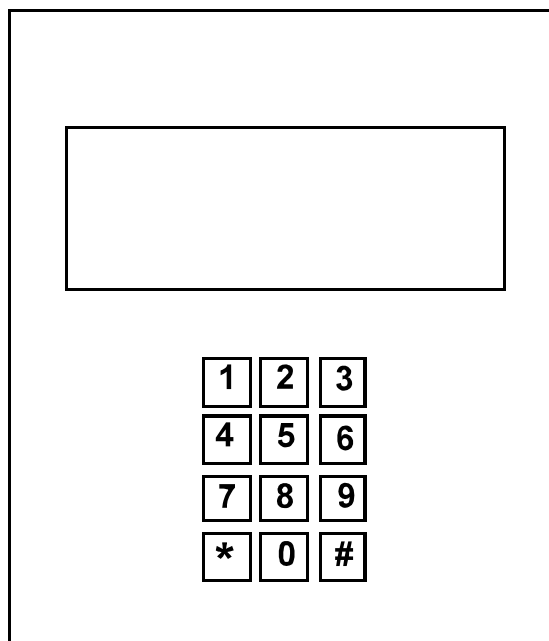




CFG-100

Configuration Tool

CONFIGURATION AND OPERATION MANUAL



NOTICE

All information, documentation, and specifications contained in this manual are subject to change without prior notice by the manufacturer.

SYSTEM CONFIGURATION & OPERATION

The Mircom Digital Communicator is configured by connecting the CFG-100 Configuration Tool to P4 of the DACT-100A or UDACT-100A Main Board. Once connected, if no text appears immediately on the LCD screen, hit any key on the numeric keypad.

The UDACT product supports two levels of restricted access to the Configuration Mode which allows for parameter configuration and control of operation. Each level is associated with a separate Passcode (up to 8-digit numeric code) and may be individually modified. Once a user gains access to the Configuration Mode, they are presented with a menu of selections according to the level of access granted. The *factory default* Passcodes are:

Level I	- OPERATOR	“11111111”
Level II	- INSTALLER	“22222222”

A Restore-to-Factory-Defaults can be initiated from the CFG-100 *without having to first access program mode*, by using the special Passcode ...

Restore-to-Factory-Defaults “12345678” (Do Not use this passcode as a Level I or Level II passcode)

NOTE: When reviewing the configuration (account numbers, etc.) DO NOT hit the # key, use the * key to exit. Hitting the # key when reviewing the configuration will delete the existing data. This “deleting” feature is required when entries need to be removed; example 1-800 number changed to a local number.

Items accessible to Level(s) I and II

ITEM Number	Access Level	Menu Category	Menu Label	Description
00	I, II	Access Control	Logout of DACT/UDACT	Exit from PROGRAM mode on LCD/Keypad.
01	I, II	Access Control	About DACT/UDACT	Display copyright (company and date) and firmware version information on LCD.
02	I, II	Access Control	Change Passcode	Support modification to specific passcode associated with individual level (I=OPERATOR and II=INSTALLER).
10	I, II	Event Logging	Flush all events	Terminate any in-progress event reporting. Remove “report pending” trigger (i.e. cancel attempts to report queued events) and Force event queue (FIFO) to empty state (i.e. erase any queued event history).
11	I, II	Event Logging	Send Test-Report	Immediately initiate test-report generated to Account #1.
12	I, II	Event Logging	Abort-Reporting	Terminate any in-progress event reporting. Remove “report pending” trigger (i.e. cancel attempts to report queued events). NOTE: Unreported events are still resident within FIFO. Any future events logged will restart attempts at reporting ALL queued (unreported) event items. This action will also add a “Line (x) Trouble” event to the event queue.
13	I, II	Event Logging	AC-Power Loss (delay) Default is 6 Hours	Specify an (optional) delay time (in hours), from 00 (no delay) to 20 (maximum delay). A report of the “AC-Power Loss” event will be delayed by this value, and then only sent after the period has expired with the signal still present. A “restoral” event of this signal will be reported immediately, but only if a prior “off-normal” event was successfully reported earlier.
14	II	Zone Mapping	View	View zone mapping. UDACT ONLY
15	II	Zone Mapping	Edit Mapping	Edit zone mapping. UDACT ONLY
16	II	Zone Mapping	Mapping Enable	1=DISABLE (default), 2= ENABLE UDACT ONLY
20	I, II	RTC Parameters	Set System DATE	Assign local DATE (dd/mm/yy) to UDACT Real-Time-Clock device. The Year field will be presented in 4-digit format on LCD status line, with automatic 20/21 century adjustment for Y2K compliance.
21	I, II	RTC Parameters	Set System TIME	Assign local TIME (ss/mm/hh) to DACT/UDACT Real-Time-Clock device. The Hour field will be presented in 24-hour (military) format on LCD status line.
22	I, II	RTC Parameters	Auto-Report Time	Assign time (mm/hh) for DACT/UDACT to perform periodic (24 hr intervals) Test-report generation to monitoring station. Must set real time clock (Item 21) to ensure 24 hr test will initialize.

Items accessible to Level II only

<u>ITEM Number</u>	<u>Access Level</u>	<u>Menu Category</u>	<u>Menu Label</u>	<u>Description</u>
30	II	Account (#1)	Account ID #1	Assign 4-6 numeric Account ID to be identified with Account #1 monitoring station receiver.
31	II	Account (#1)	Dial-Prefix #1	(OPTIONAL) Set up-to-8-digits to be first dialed by DACT/UDACT when attempting to call Account #1 monitoring station receiver.
32	II	Account (#1)	Local Number #1	Set up-to-8-digits to be dialed (after Dial-Prefix #1 digits) by DACT/UDACT when attempting to call Account #1 monitoring station receiver.
33	II	Account (#1)	Report Format #1 Default Contact ID	Choose report format (Contact ID or SIA) to be generated by DACT/UDACT when reporting with Account #1 monitoring station receiver.
40	II	Account (#2)	Account ID #2	Assign 4-6 numeric Account ID to be identified with Account #1 monitoring station receiver
41	II	Account (#2)	Dial-Prefix #2	(OPTIONAL) Set up-to-8-digits to be first dialed by DACT/UDACT when attempting to call Account #2 monitoring station receiver.
42	II	Account (#2)	Local Number #2	Set up-to-8-digits to be dialed (after Dial-Prefix #2 digits) by DACT/UDACT when attempting to call Account #2 monitoring station receiver.
43	II	Account (#2)	Report Format #2 Default Contact ID	Choose report format (Contact ID or SIA) to be generated by DACT/UDACT when reporting with Account #2 monitoring station receiver.
50	II	Report Priority	<ALARM> Events Default is Account 1	Choose which Account # (1 or 2) will be the <i>first</i> to be <i>attempted</i> to be reached by the DACT/UDACT, when an ALARM event is to be reported. This is designated as the "primary" account and the other will become the "secondary". If the DACT/UDACT cannot report to the primary, it will then <i>attempt</i> to report to the secondary. This cycle will <i>normally</i> continue until the event is eventually sent or the <MAXIMUM Attempts> has been achieved.
51	II	Report Priority	<TROUBLE> Events Default is Account 1	Choose which Account # (1 or 2) will be the <i>first</i> to be <i>attempted</i> to be reached by the DACT/UDACT, when a TROUBLE event is to be reported. (See ITEM 50 for a description of the DACT/UDACT report-attempt operation).
52	II	Report Priority	<SUPVSRY> Events Default is Account 1	Choose which Account # (1 or 2) will be the <i>first</i> to be <i>attempted</i> to be reached by the DACT/UDACT, when a SUPERVISORY event is to be reported. (See ITEM 50 for a description of the DACT/UDACT report-attempt operation).
53	II	Event Logging	Ignore <SUPVSRY> Events Default is Non-Addressable Panel	This selection allows the overriding of the "normal" reporting of the supervisory events when set to 1. The UDACT will report supervisory events when set to 2.
54	II	Event Logging	Fire Alarm Protocol Selection	Select FA for CONVENTIONAL Fire Alarm or FX for ADDRESSABLE Fire Alarm. UDACT
55	II	Report Priority	Max. Attempts Range is 5 to 10, Default is 6 Attempts	Set the "normal" upper limit for DACT/UDACT attempts (<u>call-attempt pairs</u>) to report to monitoring station receivers. One attempt is registered when the DACT/UDACT tries to access <i>both</i> (<i>i.e. the pair of</i>) "primary" and "secondary" Accounts #'s. (See ITEM 50 for a description of the DACT/UDACT report-attempt operation). After this count has been exceeded, the DACT/UDACT will assert the TROUBLE-SEND signal (and BUZZER) to the connected Fire-Panel. Only a DACT/UDACT power reset will remove this condition.
60	II	Phone Line (1/2)	Dial-type Line 1	Configure Line 1 for DTMF (Tone) or Rotary (Pulse) dialling.
61	II	Phone Line (1/2)	Dial-type Line 2	Configure Line 2 for DTMF (Tone) or Rotary (Pulse) dialling.
62	II	Configuration	Reboot DACT/UDACT	Reset entire DACT/UDACT (configuration is not affected).
63	II	Phone Line(1&2)	Deaf Dialling Default dial tone(1)	To wait and listen for dial tone select 1 (default) or Ignore Dial Tone for use with "Mobile Radio Telephone" select 2

NOTE: All configurable items have default values assigned by the "Restore-to-Default" operation. All items must have a (non-zero) value assigned unless specifically identified as OPTIONAL within the table(s) above.

Warranty & Warning Information

Warning Please Read Carefully

Note to End Users: This equipment is subject to terms and conditions of sale as follows:

Note to Installers

This warning contains vital information. As the only individual in contact with system users, it is your responsibility to bring each item in this warning to the attention of the users of this system. Failure to properly inform system end-users of the circumstances in which the system might fail may result in over-reliance upon the system. As a result, it is imperative that you properly inform each customer for whom you install the system of the possible forms of failure.

System Failures

This system has been carefully designed to be as effective as possible. There are circumstances, such as fire or other types of emergencies where it may not provide protection. Alarm systems of any type may be compromised deliberately or may fail to operate as expected for a variety of reasons. Some reasons for system failure include:

•Inadequate Installation

A Fire Alarm system must be installed in accordance with all the applicable codes and standards in order to provide adequate protection. An inspection and approval of the initial installation, or, after any changes to the system, must be conducted by the Local Authority Having Jurisdiction. Such inspections ensure installation has been carried out properly.

•Power Failure

Control units, smoke detectors and many other connected devices require an adequate power supply for proper operation. If the system or any device connected to the system operates from batteries, it is possible for the batteries to fail. Even if the batteries have not failed, they must be fully charged, in good condition and installed correctly. If a device operates only by AC power, any interruption, however brief, will render that device inoperative while it does not have power. Power interruptions of any length are often accompanied by voltage fluctuations which may damage electronic equipment such as a fire alarm system. After a power interruption has occurred, immediately conduct a complete system test to ensure that the system operates as intended.

•Failure of Replaceable Batteries

Systems with wireless transmitters have been designed to provide several years of battery life under normal conditions. The expected battery life is a function of the device environment, usage and type. Ambient conditions such as high humidity, high or low temperatures, or large temperature fluctuations may reduce the expected battery life. While each transmitting device has a low battery monitor which identifies when the batteries need to be replaced, this monitor may fail to operate as expected. Regular testing and maintenance will keep the system in good operating condition.

•Compromise of Radio Frequency (Wireless) Devices

Signals may not reach the receiver under all circumstances which could include metal objects placed on or near the radio path or deliberate jamming or other inadvertent radio signal interference.

•System Users

A user may not be able to operate a panic or emergency switch possibly due to permanent or temporary physical disability, inability to reach the device in time, or unfamiliarity with the correct operation. It is important that all system users be trained in the correct operation of the alarm system and that they know how to respond when the system indicates an alarm.

•Automatic Alarm Initiating Devices

Smoke detectors, heat detectors and other alarm initiating devices that are a part of this system may not properly detect a fire condition or signal the control panel to alert occupants of a fire condition for a number of reasons, such

as: the smoke detectors or heat detector may have been improperly installed or positioned; smoke or heat may not be able to reach the alarm initiating device, such as when the fire is in a chimney, walls or roofs, or on the other side of closed doors; and, smoke and heat detectors may not detect smoke or heat from fires on another level of the residence or building.

•*Software*

Most Mircom products contain software. With respect to those products, Mircom does not warranty that the operation of the software will be uninterrupted or error-free or that the software will meet any other standard of performance, or that the functions or performance of the software will meet the user's requirements. Mircom shall not be liable for any delays, breakdowns, interruptions, loss, destruction, alteration or other problems in the use of a product arising out of, or caused by, the software.

Every fire is different in the amount and rate at which smoke and heat are generated. Smoke detectors cannot sense all types of fires equally well. Smoke detectors may not provide timely warning of fires caused by carelessness or safety hazards such as smoking in bed, violent explosions, escaping gas, improper storage of flammable materials, overloaded electrical circuits, children playing with matches or arson.

Even if the smoke detector or heat detector operates as intended, there may be circumstances when there is insufficient warning to allow all occupants to escape in time to avoid injury or death.

•*Alarm Notification Appliances*

Alarm Notification Appliances such as sirens, bells, horns, or strobes may not warn people or waken someone sleeping if there is an intervening wall or door. If notification appliances are located on a different level of the residence or premise, then it is less likely that the occupants will be alerted or awakened. Audible notification appliances may be interfered with by other noise sources such as stereos, radios, televisions, air conditioners or other appliances, or passing traffic. Audible notification appliances, however loud, may not be heard by a hearing-impaired person.

•*Telephone Lines*

If telephone lines are used to transmit alarms, they may be out of service or busy for certain periods of time. Also the telephone lines may be compromised by such things as criminal tampering, local construction, storms or earthquakes.

•*Insufficient Time*

There may be circumstances when the system will operate as intended, yet the occupants will not be protected from the emergency due to their inability to respond to the warnings in a timely manner. If the system is monitored, the response may not occur in time enough to protect the occupants or their belongings.

•*Component Failure*

Although every effort has been made to make this system as reliable as possible, the system may fail to function as intended due to the failure of a component.

•*Inadequate Testing*

Most problems that would prevent an alarm system from operating as intended can be discovered by regular testing and maintenance. The complete system should be tested as required by national standards and the Local Authority Having Jurisdiction and immediately after a fire, storm, earthquake, accident, or any kind of construction activity inside or outside the premises. The testing should include all sensing devices, keypads, consoles, alarm indicating devices and any other operational devices that are part of the system.

•*Security and Insurance*

Regardless of its capabilities, an alarm system is not a substitute for property or life insurance. An alarm system also is not a substitute for property owners, renters, or other occupants to act prudently to prevent or minimize the harmful effects of an emergency situation.

IMPORTANT NOTE: End-users of the system must take care to ensure that the system, batteries, telephone lines, etc. are tested and examined on a regular basis to ensure the minimization of system failure.

Limited Warranty

Mircom Technologies Ltd. warrants the original purchaser that for a period of two years from the date of manufacture, the product shall be free of defects in materials and workmanship under normal use. During the warranty period, Mircom Technologies Ltd. shall, at its option, repair or replace any defective product upon return of the product to its factory, at no charge for labor 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 Mircom Technologies 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 Mircom Technologies Ltd. shall not be responsible for any customs fees, taxes, or VAT that may be due.

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 Mircom Technologies 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 Mircom Technologies 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.

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 Mircom Technologies Ltd. must first obtain an authorization number. Mircom Technologies Ltd. will not accept any shipment whatsoever for which prior authorization has not been obtained. NOTE: Unless specific pre-authorization in writing is obtained from Mircom management, no credits will be issued for custom fabricated products or parts or for complete fire alarm system. Mircom will at its sole option, repair or replace parts under warranty. Advance replacements for such items must be purchased.

Note: Mircom Technologies 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.

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 Mircom Technologies 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.

Out of Warranty Repairs

Mircom Technologies 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 Mircom Technologies Ltd. must first obtain an authorization number. Mircom Technologies Ltd. will not accept any shipment whatsoever for which prior authorization has not been obtained.

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

Products which Mircom Technologies 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.

WARNING: Mircom Technologies 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.

NOTE: Under no circumstances shall Mircom Technologies 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.

MIRCOM MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ITS GOODS DELIVERED, NOR IS THERE ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, EXCEPT FOR THE WARRANTY CONTAINED HEREIN.

