

PART II - PRIMARY SYSTEMS INFORMATION

V. Basic Intrusion Detection Systems (IDS)

1. Operation

c. Normal Operating Instructions:

RTU

The front door of the RTU enclosure can include numerous LED indicators on to show the operational status of a various functions of the RTU panel. Below is a table showing the normal and abnormal indications of each LED.

LED INDICATOR	NORMAL INDICATION	ABNORMAL INDICATION	CORRECTION IF ABNORMAL
ACON	LED on	LED off	Check AC Transformer
TAMPER	LED off	LED on	Check <i>RTU</i> Enclosure Door Check Tamper Switches
FAULT	LED off	LED on LED Blinking	Check Fire Bell Output Check TELCO Bd fuses Check Dial Backup Line Check or Replace Batteries
REPLY	Rapid Flashing	LED off	Check Communication Lines

ACT

There are three types of ACT-4s: ACT-4KM which uses a magnetic stripe access control card, ACT-4KW which uses a Wiegand access control card, and ACT-4K which uses a user Identification Number. Mag stripe cards have a brown stripe running across the backside of the card.

To begin using the ACT-4, swipe your access control card through the slot of the card reader (ACT-4KM or ACT-4KW) or press a key on the keypad until the display lights up and begin entering your I.D. number (ACT-4K). Be certain that the card is placed face-up and upside down in the card reader slot. Mag Stripe cards should be swiped through the slot from right to left, and Wiegand cards should be swiped through from left to right.

Press the "Raise" key to raise the display, or the "Lower" key to lower the display. These keys adjust the display's viewing angle so that you can read the display messages no matter what your height is.

The next step is to enter your Personal Identification Number (PIN). Simply press the keys that correspond to the digits in your PIN. You can see which numbers are assigned to which keys by looking at the display.

After you press the first digit of your PIN, the keys labeled "Raise" and "Lower" will be relabeled "Retry". If you make a mistake in entering any digit but the last digit, press either one of the "Retry" keys and re-enter your PIN from the beginning. Once you have entered the PIN, the ACT-4 will check with the system controller to make sure that the PIN and card number are correct. The ACT-4 will display a "wait" message while this is taking place.

If you make a mistake in entering your PIN, or if you enter the wrong PIN, the ACT-4 will ask you to re-enter the PIN. You are allowed to make four erroneous PIN entries. If the ACT-4 cannot validate the PIN within four tries, you will have to re-enter your card.

ACU

In general day-to-day usage, the ACU-6 provides functions to display Date/Time information, to request and display account information for multiple accounts, and to request and display alarm zone status in multiple formats, such as a multiple zone status matrix display or even specific zone status for a selected zone. All of these functions are non-protected functions and available to any user without an access code or special PIN number.

When you press a key to activate the LCD screen of the ACU-6, the data screen that will typically be displayed 4 lines of information as follows:

LINE 1 INFORMATION:

Closed: This field displays the current state of the account being displayed; either OPEN, CLOSED, EN-DL (entry delay), EX-DL (exit delay) or OFF (unit not communicating with RTU, or not the active account).

ACCT: Press the key above this word to change the screen for requesting further account information or to scroll through and select one of the other accounts assigned to the ACU-6. The selected Account's data will display on lines 2 and 3.

Sup: Press the key above this word to go into the "Supervisor Database" mode used for the database setup of special ACU-6 features. Use of this key requires a special "PIN" or "ill Number" to access the programs and is not used by normal subscribers or system users.

Time: Press this key to change the LCD screen to display the current time and date.

LINE 2 INFORMATION:

ACCNT: The 4-digit number following this is the designated Account Number (from the Host CPU database) and address (LINE # -RTU #) of the RIR\1 and ZIM for this account.

LINE 3 INFORMATION:

Designated Text Name of the displayed Account (such as "Main Vault Area" or "Research Lab") as is configured and downloaded from the Host CPU database.

LINE 4 INFORMATION:

STATUS: Press the key below this word to go into the status display mode. This function allows the user to select and display alarm zone and control output status for the zones of the selected account.

Enter Man (or Enter PIN or En MAN/PIN): Pressing one of the keys below this text will prompt the user to enter a Valid Man Number and I.D. Number, typically used to Open and Close an area, or to generate special commands.

[8]: This field will always be a single-digit number or letter that displays, for a technician, the communication address of the ACU-6. This will be different for each account controlled by this ACU-6 and will depend on the address of the RIM and ZIM associated with the account selected and displayed. The actual Address Jumper setting on the ACU-6 circuit board should always be the lowest address of all the accounts being controlled.

From this initial LCD menu screen, a system user can now select one of five (5) functions:

1. Select another Account or further Account information by pressing a key above the "ACCT."
2. Select the Date/Time display by pressing the upper right key above the "Time" label.
3. Check the status of alarm and control zone by pressing the lower left key below "STATUS".
4. Log on as a user to Arm, Disarm, Mask or Unmask alarm zones by pressing any key under "Enter Man" and enter an authorized Man Number and I.D. code.
5. Change the ACU-6 setup parameters in the Supervisor mode by pressing the key above "Sup" and entering the authorized supervisor I.D. code.