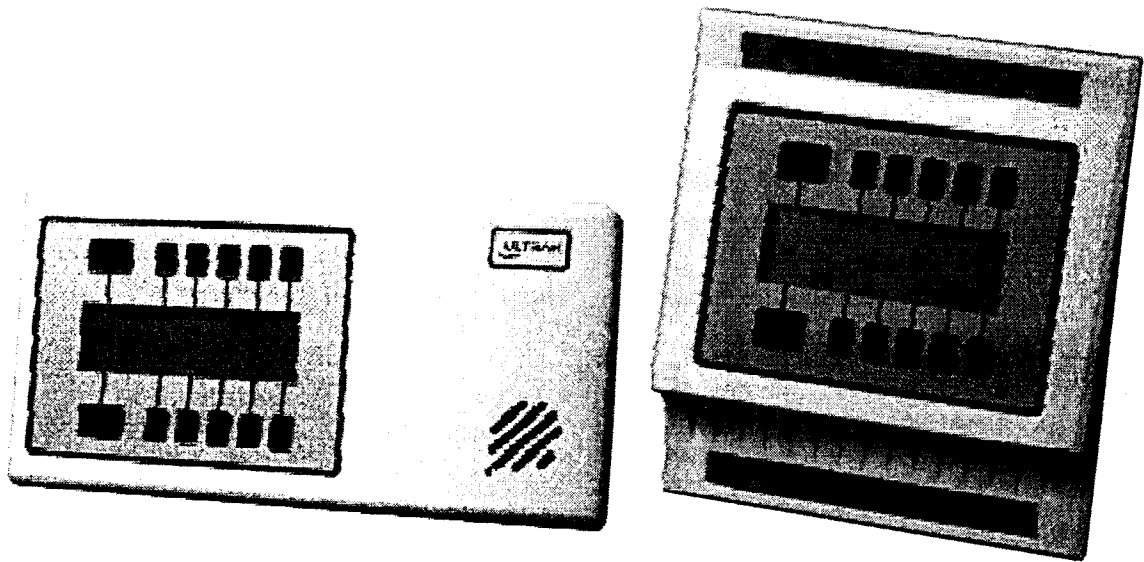


# SAFEnet® ACU-6/ACT-Series

## ARMING CONTROL UNITS



The ACU-6 Arming Control Unit and ACT-5 Arming Control Terminal are used to arm & disarm (open/close) an area of alarm zones for one or more designated RTU addresses. Both units include an LCD display used for displaying operational data, user prompting, data entry, and key labeling. The LCD display is surrounded by 12 unlabeled "soft" keys, 6 keys above and 6 keys below the display.

The ACU-6 and the ACT-5 function similarly, with the exception that the ACU-6 includes the capability to control more than one area or address from a single unit. Each ACU-6 can be configured to control from 1 to 8 Accounts (addresses) within the same RTU, while the ACT-5 is used to control a single Account.

A network of up to eight (8) ACU-6 units can be interfaced to a single RTU via 2-wire RS-485 multi-drop communications to the four-wire Interface Module (FIM).

- Arming control of multiple accounts from a single unit
- LCD display for command entry and status display
- Adjustable LCD screen viewing angle and optional lens filter
- Dynamic and rotational labeling of PIN keys for increased security
- Interface via standard 2-wire RS-485 communication
- Easy to read and understand messages and prompts
- Compatible with RTU-100, RTU-190, RTU-195 and RTU-200
- May be located over 2000' from RTU

**ULTRAK®**

# SAFEnet® ACU-6/ACT-Series

## TECHNICAL SPECIFICATIONS

### MECHANICAL

Dimensions	4.25" H X 8.0" L X 1.0" D (ACU-6)
Material Composition	Die cast aluminum
Power Supply Requirements	
Input Voltage	6-12 volts DC (RTU supplied or separate power supply)
Power Consumption	45 ma standby; or 80 ma active
Clock / Calendar	Software clock, date/time downloaded from RTU
Display	
Technology	Integral, 80 character alpha-numeric LCD configured in 4 lines of 20 characters, with green LED backlighting
Format	Full English prompts with both dynamic and static PIN (security code) labeling. Upper and lower case letters, numbers, and punctuation marks
Vertical Viewing Angle	From 40 degrees above horizontal to 30 degrees below horizontal. Adjustable via hardware control (adjustment screw)
Lens Filter (optional)	Light control film to help reduce glare and to provide viewing privacy
Keypad	A tactile feedback, 12-key keypad configured in two rows of six keys, sealed with silicon rubber. Keys use selectively positioned, conductive silicon rubber and gold-plated foil contacts for long life. All functions and digits are dynamically labeled and allocated
Audible Annunciator	Single frequency, piezoelectric transducer. Emits audible beeps with each key depression

### Microprocessor Memory

Program Storage	32K EPROM
Data Storage	8K Static RAM
Communications	RS-485 half-duplex asynchronously at 600, 1200, or 2400 baud

All specifications and designs subject to change without notice

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4. The exclusive remedy for breach of this Warranty is the repair or replacement of defective or non-conforming equipment by the SELLER itself (or repair by others of the MANUFACTURER's products pursuant to written authorization from the SELLER) or the return of that portion of the purchase price represented by such defective or non-conforming equipment.
5. THE SELLER'S MAXIMUM LIABILITY HEREUNDER IS LIMITED TO THE PURCHASE PRICE OF THE PRODUCT, AND IN NO EVENT SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL, INDIRECT, INCIDENTAL OR SPECIAL DAMAGES OF ANY NATURE ARISING FROM THE SAME OR USE OF THE PRODUCT.
6. THE SELLER SHALL HAVE NO LIABILITY FOR DAMAGES OF ANY KIND, INCLUDING LOST PROFITS, RESULTING FROM DEFECTS IN ANY OF THE SELLER'S EQUIPMENT OR OTHERWISE. THE BUYER, PURCHASING OR OTHERWISE UTILIZING GOODS SOLD HEREUNDER, ACKNOWLEDGES BY ITS ACCEPTANCE OF ANY OF THE SELLER'S EQUIPMENT COVERED BY THIS WARRANTY THAT THERE ARE NO EXPRESSED OR IMPLIED WARRANTIES AS TO QUALITY OR MERCHANTABILITY OR THE FITNESS FOR ANY PARTICULAR PURPOSE OF SAID EQUIPMENT IN CONNECTION WITH ITS PURCHASE OR USE OTHER THAN AS PROVIDED IN THE IMMEDIATELY PRECEDING PARAGRAPH. THE SELLER MAKES NO OTHER WARRANTY.
7. The warranty is void in case of equipment abuse, modifications, misuse, abnormal usage, faulty installation, repair by unauthorized persons, connection to incompatible equipment, or acts of GOD.

**B - Warranty Period:**

1. The SELLER warrants to the BUYER the products supplied by the MANUFACTURER as advertised herein to be free of defects in material and workmanship for a period of thirteen (13) months from the date of shipment from factory provided, based on the following conditions:
  - a) The SELLER has been notified in writing within the thirteen (13) month period of the defect and the defective products have been returned free and clear of all liens and encumbrances to the MANUFACTURER, transportation prepaid.
  - b) The product has not been abused, misused, modified, improperly installed, maintained or repaired by other than the SELLER during such period and that such defect has not been caused by ordinary wear and tear. Such defect was not a result of voltage surges/brownout, lightning, water damage, flooding, fire, explosion, earthquakes, tornadoes, acts of aggression / war, or similar phenomenon.
  - c) Some states do not allow limitations on incidental or consequential damages or how long an implied warranty lasts, so that the above limitations may not apply. This warranty gives specific legal rights and there may also be other rights which may vary from state to state.
2. The SELLER reserves the right to make changes in design on any of its products without incurring any obligation to make the same change on units previously purchased.

The above pricing is proprietary information from Ultrak, Inc.,  
prices and specifications subject to change without notice.

**ULTRAK**Quality Products  
That Make a Difference**SAFEnet Systems****K. CENTRAL PROCESSOR UNIT (CPU) and PPU-100**

**SUPPORT & SERVICE:** The SELLER offers to the DEALER a System Support and Maintenance Service Agreement for the CPU/PPU for a period of one year (12 months) for an additional charge. This Service Maintenance Agreement will cover such items as: System Technical Services; Software Assistance; Telephone Assistance and Basic Preventive Maintenance. Contact factory or locally staffed the Ultrak Inc. offices for detailed information regarding support maintenance service agreement charges and fee schedules.

**EXTENDED WARRANTY OPTION:** The SELLER offers an optional extended warranty option program on purchase orders totaling more that \$25,000 of dealers cost.

This program provides the ability to extend the original 13 month warranty on a month-to-month basis when the BUYER anticipates a longer than normal installation time, or has difficulties in obtaining a customer's sign-off. The BUYER has the option when submitting the original purchase order and the extended warranty charges are included as a line item on the purchase order. The charges will be calculated a 1½% per month of the value of the front end equipment noted on the purchase order.

For example, front end equipment costs are 50,000 x's 1½%=\$750.00 x's 4 months equals \$3,000.

**LI. REPAIR POLICY AND PROCEDURES IN-WARRANTY REPAIR**

The BUYER's authorized personnel must contact the SELLER's Marketing Support Department for a Return Authorization number. The BUYER must report the serial number of all items to be sent in for repair and the reason(s) must be noted for the return. Standard turn around time on most repairs is fifteen (15) working days.

The BUYER must pay for freight of repairs sent to the MANUFACTURER. The MANUFACTURER will incur any freight charge for return shipment via carrier ground service only. Other methods of shipments are available, but only at the BUYER's request and expense.

If any "standard" ULTRAK INC. equipment does not properly function with the first ninety (90) calendar days after shipment, an "advance replacement" may be sent at the BUYER's request and/or ULTRAK INC.'s discretion. This does not apply to equipment that should be kept as spares by the dealer, such as certain RTU, PPU and CPU modules or if equipment's warranty has been voided.

The BUYER will issue a purchase order to the MANUFACTURER. This will cover any expedited freight charges and/or repair charges that may be incurred by the BUYER due to subsequent test of said equipment.

THE DEFECTIVE OR NON-WORKING MATERIAL MUST BE RETURNED TO THE MANUFACTURER IMMEDIATELY. IF IT IS NOT RECEIVED WITHIN 30 CALENDAR DAYS, THE BUYER WILL BE INVOICED FOR THE ADVANCE REPLACEMENT UNIT IN FULL, AS WELL AS INCURRED RESPONSIBILITY OF ANY NON-WARRANTY REPAIR CHARGES.

Collect shipments will be refused by the SELLER. Shipments received without a proper Return Authorization number may be returned to the BUYER freight collect without repair.