

Arming Control Unit (ACU - 7)



The Arming Control Unit (ACU-7) is used to open/close (arm/disarm) an area of alarm zones for one or more designated field devices within the Integrated Digital Controller (IDC) environment. Each ACU-7 can be configured to control one account when the field devices are connected to the same Network Local Controller (NLC) Board. Up to fifteen (15) ACU-7 units can be interfaced to a single NLC Controller. Each ACU-7 communicates with the NLC via a 22 AWG, 2-wire twisted pair cable using standard 2-wire RS-485 communications.

The ACU-7 uses an unmarked keypad in combination with a four-line, 80 Character Liquid Crystal Display (LCD) for security code entry and data selection. Six unlabeled “soft” keys are located above and six below the LCD. In some modes of operation, five of the keys above and below represent the numeric keys (0 – 9). These keys may be labeled in four different methods; horizontal (1,2,3,4,5 on top, and 6,7,8,9,0 on bottom), vertical (1,3,5,7,9 on top and 2,4,6,8,0 on bottom) or, for higher security, Rotational and Rotational-PLUS.



The Rotational method presents a new arrangement of number assignments to the keys for each use. The Rotation-PLUS presents a new arrangement of number assignments to the keys after each keystroke. In either Rotational mode the keys are always shown in numerical order, similar to the horizontal method, however the starting point is always different.

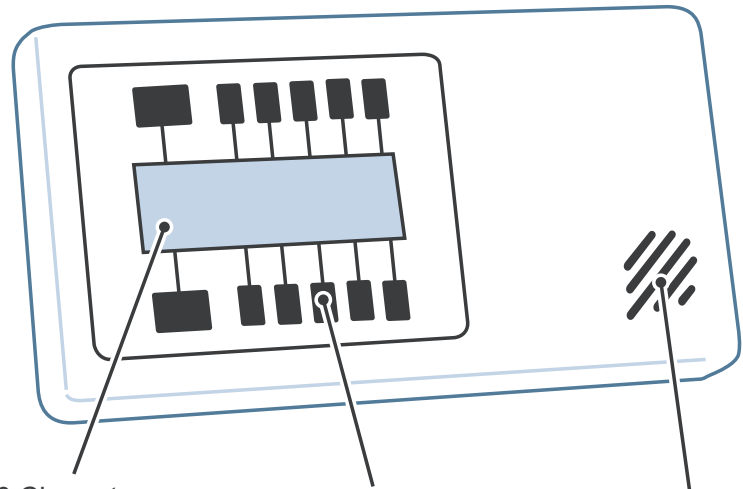
Features:

This dynamic keypad labeling makes available the following ACU-7 functions:

- OPEN or CLOSE account (requires entry of a 5 - digit “user” security code)
- Display Account Status: OPEN, CLOSED, ENTRY DELAY or EXIT DELAY
- Display Status for up to 64 zones in the account: SAFE, ACTIVE ALARM or FAULT, ACTIVE ALARM and MASKED, SAFE and MASKED
- Display ACTIVE ALARMS only (one at a time) with full descriptive text name
- Display MASKED ZONES only (one at a time) with full descriptive text name
- Display CURRENT TIME or REMAINING OPEN TIME (hh:mm:ss)
- ARM, DISARM, MASK, UNMASK individual alarm points, and FORCE CLOSE ACCOUNT with alarm points masked (requires entry of a 5-digit “privileged user” security code)
- Four different labeling methods: horizontal, vertical, rotational and rotational PLUS (high security)

Technical Specifications - Integrated Digital Controller Hardware

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80 Character
LCD Display

Data Entry Keys

Internal Beeper

Primary Panel Features:

Electrical

Power	5 VDC \pm 5%, or 12 VDC \pm 10%
	Current Draw 80mA maximum

Dimensions

Height	4.25 in. (108 mm)
Width	8.0 in. (203 mm)
Depth	1.0 in. (26mm)

Material

Panel	Die cast aluminum, grey
Back Box	Aluminum frame
Mounting	Mounts to 2-gang, 3-gang or 4-gang electrical box

Environment

Temperature	32°F-120°F, (0°C-50°C) – indoor use only
Humidity	10%-95% (non-condensing)

Communications

Protocol	RS-485
Distance	4,000 feet (1300)
Media Type	Twisted Pair (Belden 9841 cable)

Keypad

Type	Individual push buttons provide positive tactile feedback
Format	12 keys - 6 keys in a row above display and 6 below display
Function	All functions and digits are dynamically labeled and allocated

Display

Type	Liquid Crystal Display, LCD
Format	80 characters, 4 lines of 20 characters Back Light Green LED array, always on

Annunciator

Internal Beeper	Sounds on each keypad entry
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Design and specifications subject
to change without notice.

www.monitordynamics.com

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