

Thank you for using our products.

**INSTALLATION INSTRUCTIONS
UNIVERSAL TELEPHONE ALERT**

Use this product according to this instruction manual. Please keep this instruction manual for future reference.

MODEL: UTA-1

GENERAL INFORMATION:

The UTA is a loud attention getting electronic ringer designed for use in noisy locations or for wide area coverage. It is FCC and DOC Registered for the public telephone network and can be used behind PBX and key systems that use interrupted ring voltages from 40-130V, 20-30Hz or 18-30VDC/VAC or 36-60VDC.

The UTA, when used indoors, will accommodate a modular plug that mates with an RJ-11C jack (USA) or a CA-11 jack (Canada) for ringing voltage. UTA operates directly off the telephone ringing voltage with low current drain to minimize line loading.

UTA offers a choice of four selectable sound patterns (horn, bell, single chime or vibrating chime) with a volume control. The UTA is equipped with a weather resistant backbox for optional outdoor use with conduit enclosed wiring.

APPLICATION INFORMATION:

The installation of this product must conform to the following instructions. IF ANY WORDS OR LETTERS APPEAR ON THE PRODUCT INDICATING A PARTICULAR USE, THE PRODUCT MUST BE USED ONLY IN THE MANNER SO INDICATED. FIELD ADJUSTMENT, REPAIR OR MODIFICATION OF THESE SIGNALS SHOULD NOT BE ATTEMPTED. Malfunctioning units should be returned for factory repair or replacement in accordance with Cooper Notification's published terms and conditions.

NOTE: All **CAUTIONS** and **WARNINGS** are identified by the symbol . All warnings are printed in bold capital letters.

 **CAUTION:** The installation of this equipment should only be undertaken by qualified personnel.

 **WARNING: SHUT OFF ALL POWER BEFORE INSTALLING. ELECTRICAL SHOCK CAN CAUSE DEATH OR SERIOUS INJURY.**

FCC REGULATIONS:

- This equipment complies with Part 68 of the FCC Rules. The label affixed to this product contains, among other information, the FCC Registration Number and the Ringer Equivalence Number (REN) for this product. This information must be provided to the telephone company if requested.
- The REN is used to determine the quantity of devices which 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 REN's 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, contact your local telephone company.
- This equipment should not be used on coin telephone lines. Connection to party line service is subject to state tariffs.
- If trouble is experienced, disconnect this equipment from the telephone line to determine if it is causing the malfunction. If the equipment is determined to be malfunctioning, its use shall be discontinued until the problem has been corrected.
- Should the equipment cause harm to the telephone network, the telephone company shall, if possible, notify the customer that temporary discontinuance of service may be required; however, where prior written notice is not possible, the telephone company may temporarily discontinue service without notice, if such action is necessary under the circumstances. The telephone company may make changes in its communication facilities, equipment and operations procedures, where such action is reasonably required in the operation of its business and is not inconsistent with the rules and regulations of the Federal Communications Commission.

INDUSTRY CANADA (IC) REGULATIONS: (Only applicable for use in Canada)

- The Industry Canada (IC) label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operational, and safety requirements as prescribed in the appropriate Terminal Equipment Technical requirements documents(s). The Department 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 or 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 coordinated by a representative 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.
- Users 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.

RINGER EQUIVALENCE NUMBER:

The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination of an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5.

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SPECIFICATIONS:

Table 1: Sound Output (dBA) and Current (REN) at Maximum Volume				
	24VDC	24VAC	48VDC	90Vrms/20Hz
Horn	108dB/30mA	105dB/46mA	107dB/26mA	104dB/No More 1.6 REN
Bell	100dB/9mA	102dB/35mA	100dB/10mA	100dB/ No More 1.4 REN
Vibrating Chime	96dB/6mA	99dB/29mA	94dB/7mA	97dB/ No More 1.25 REN
Single Chime	96dB/6mA	100dB/34mA	94dB/6mA	96dB/ No More 1.25 REN

NOTES:

1. Input Voltage Range: 24VDC = 18-30VDC, 24VAC = 18-30VAC, 48VDC = 36-60VDC, 90VRMS = 40-130VRMS, 20-30Hz
2. dBA is measured on-axis in a non-reflective (free field) test room using fast meter response.

Table 2: Sound Output Volume Adjusting Range				
	24VDC	24VAC	48VDC	90Vrms/20Hz
Horn	108-73dB	105-76dB	107-79dB	104-83dB
Bell	100-61dB	102-64dB	100-67dB	100-73dB
Vibrating Chime	97-57dB	100-61dB	94-64dB	97-68dB
Single Chime	96-57dB	97-61dB	94-64dB	96-68dB

Table 3: Tone Description	
Horn	Broadband Horn
Bell	1560Hz Modulated (0.07 Sec. ON/Repeat)
Vibrating Chime	700Hz (1.0 Sec. Decay/Repeat)
Single Chime	700Hz (1.0 Sec. Decay)

Table 4: Duty and Ring Cycle		
Cycle	90Vrms/20-30Hz	24VDC/AC, 48VDC
Duty Cycle	33% Max.	100% Max.
Min. Ring Cycle ON Time	0.8 Sec.	0.5 Sec.
Min. Ring Cycle OFF Time	1.6 Sec.	0.5 Sec.
Max. Ring Cycle ON Time	10 Sec.	Continues

UTA SETTINGS:

The SW1 and SW2 switches of the UTA are used to set input voltage and desired tone as shown in Figure 2 and Table 5. The potentiometer R12 (shown in Figure 2) is used to adjust the volume of sound.

The factory settings are:

Input Voltage = 90Vrms/20-30Hz (SW1 POS 1 set on 0)
Tone = Horn (SW2 POS 1,2,3,4 set on 0,0,1,1)
Volume = Maximum

Table 5: Input Voltage and Tone Selections						
Input Voltage	Tone	Switch Settings				
		SW1	SW2			
		POS 1	POS 1	POS 2	POS 3	POS 4
24VDC	Horn	1	1	0	1	1
	Bell	1	1	0	1	0
	Vibrating Chime	1	1	0	0	0
	Single Chime	1	1	1	0	1
24VAC	Horn	1	0	0	1	1
	Bell	1	1	0	1	0
	Vibrating Chime	1	1	0	0	0
	Single Chime	1	1	1	0	1
48VDC	Horn	1	0	0	1	1
	Bell	1	0	0	1	0
	Vibrating Chime	1	0	0	0	0
	Single Chime	1	0	1	0	1
90VAC 20-30Hz	Horn	0	0	0	1	1
	Bell	0	0	0	1	0
	Vibrating Chime	0	0	0	0	0
	Single Chime	0	0	1	0	1

MOUNTING INFORMATION:

The UTA is designed for mounting to walls, partitions or posts in both indoor and outdoor applications. Refer to Figures 1, 2 and 3 mounting, wiring and adjustment of each model. Use 4 conductor modular telephone line cords for ring voltage indoor wiring. For outdoor applications, use conduit enclosed wiring. All models are rated for indoor and outdoor use with a temperature range of -31°F to +150°F (-35°C to +66°C) and a maximum humidity of 95% RH.

NOTE: Potentiometer shaft and four screws must be installed first before proceeding with Figure 1.

Before mounting, test the signal by temporarily connecting it as shown. Place a call into the system to make sure the signal operates properly.

⚠ WARNING: DO NOT STAND CLOSE TO THE UTA WHEN TESTING OR OPERATING. TOO MUCH EXPOSURE AT CLOSE RANGE MAY BE HARMFUL TO YOUR HEARING. UTA's SHOULD BE LOCATED AT LEAST 10 FEET AWAY FROM LISTENERS.

Figure 1:

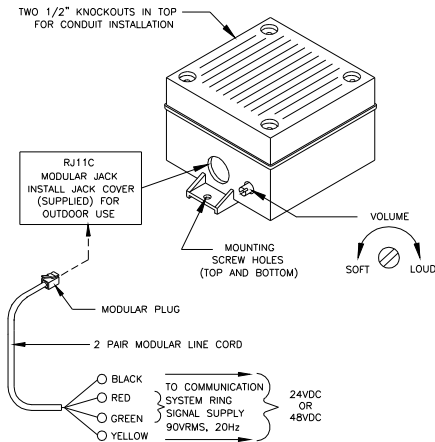


Figure 2:

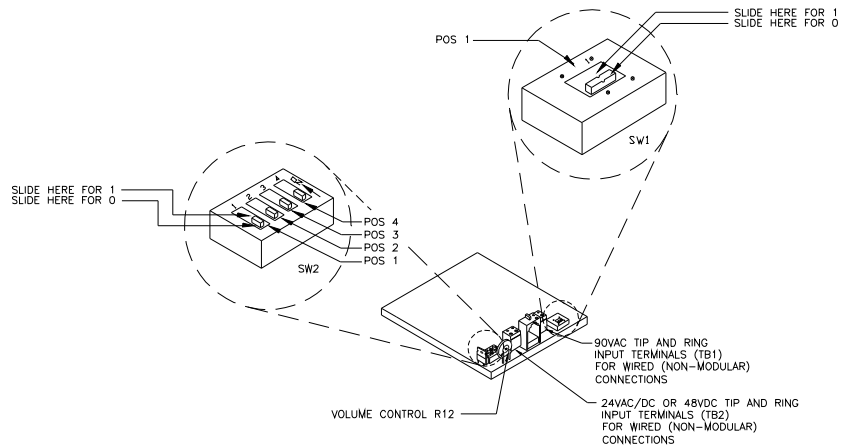
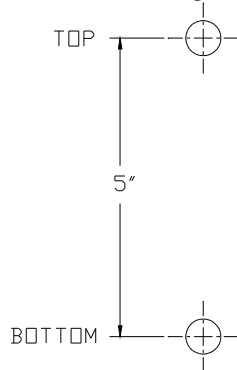


Figure 3: Mounting Screw Diagram



Template Not To Scale
Place mounting screw (supplied) as per diagram "top" hole. Hang UTA securely by keyhole on top of unit. Place bottom mounting screw (supplied) as per diagram "bottom" hole. Tighten both screws. For hollow or thin panels use appropriate dry wall fasteners

⚠ CAUTION: Improper connections and settings can damage the unit and/or the phone system.

⚠ CAUTION: These devices are not intended for use in hazardous locations as defined by the National Electrical Code (NEC) and by the National Fire Protection Association (NFPA). Contact Cooper Notification for information on explosion-proof devices designed for hazardous locations.

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⚠ CAUTION: Check the installation instructions of the manufacturers of other equipment used in the system for any guidelines or restrictions on wiring and/or locating Notification Appliance Circuits (NAC) and notification appliances. Some system communication circuits and/or audio circuits, for example, may require special precautions to assure electrical noise immunity (e.g. audio crosstalk).

NOTE: 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 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: 1) Reorient or relocate the receiving antenna, 2) Increase the separation between the equipment and receiver, 3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected, and 4) Consult the dealer or an experienced radio/TV technician for help.

LIMITED WARRANTY

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