

# ARCHITECTURAL SPECIFICATIONS

## Tec 101 Telephone Entry Control

### General Requirements.

The unit shall be a micro-processor controlled telephone entry device housed in a weather resistant aluminum cabinet with a stainless steel front panel. The unit shall have a two line LED backlit Liquid Crystal Display (LCD) capable of being read in direct sunlight, or in total darkness. The display will show the resident's name to be at least thirteen characters in length. Names shall appear in alphabetical order. It shall be possible to scroll forward, pressing and holding down the # key and backward by pressing and holding the \* key.

The unit shall have a gasketed chrome plated marine zinc metallic touch keypad. The speaker shall have a Mylar cone and shall be sealed from the environment. The unit shall incorporate Personal Identification Numbers (PINs), at least one per programmed telephone number, providing an electronic means of opening entrance utilizing the unit's own keypad. The unit shall allow the programming of a strike-out feature making the keypad inoperative for sixty seconds after the programmed number of invalid PINs are attempted.

The unit shall be configurable with memory capacities in increments of 50, 125, 500 and 995 residents' names and phone numbers. These codes, as well as the PINs may be set for the system to be 1-6 digits in length, programmable on site. The called party may activate the door control relays in the unit by dialing a system programmed number, 1-9, on their own phone.

The unit shall be capable of operating in either AC or DC mode. The unit shall provide dry contact(s) for the two relay mechanisms, jumper selectable normally open (NO) or normally closed (NC). The unit shall be able to withstand at least 20,000 volts of electrostatic discharge without damage to its functions. The unit shall further possess transient voltage protection as part of its power supply circuits, phone line interface and relay contacts.

The unit shall provide an integral battery charging circuit for an optional battery. Said battery shall allow communication to be maintained for minimum of one hour in the event of a power failure. The memory type shall be non-volatile, and shall retain stored data including buffer information without external power for a minimum of ten years.

### Functional Specifications:

The unit shall be capable of either rotary or TouchTone™ dial out, field programmable. The unit shall mute tones during dialout sequence and shall not accept TouchTone™ through its microphone. The unit shall allow open keypad for voice mail capabilities of the called telephone number. The unit shall allow latching of relays through a TouchTone™ phone using a two digit control code, and a command code.

Programming functions require a six digit pass code be entered on the unit's keypad. When required, the unit shall allow alpha characters to be programmed via the keypad. The unit shall be capable of dialing telephone numbers of up to 14 digits in length. These numbers may be local or long distance. A pause may be inserted before or after any digit. The unit shall allow dialing extension in a telephone switch or an outside line from the switch.

Programming shall be possible from any of the following methods:  
The unit's keypad, or a personal computer equipped with modem

The unit's standard door control modules shall each have two inputs and two outputs. This will allow each to:

1. Unlock entrance, and
2. Allow a request to exit or egress.

