

ARCHITECTURAL SPECIFICATIONS

SAT 3R Self Identifying Telephone

SAT 3R General Requirements:

The SAT 3R is a telephone line powered device that connects to a telephone line or analog capable PBX. The SAT 3R dials a pre-programmed number, when the **PUSH FOR HELP** button is pressed. It can dial up to 9 additional 16 digit phone numbers. After dialing, it permits two way voice communication without having to hold a handset (Hands Free). The amount of time that you can talk on the SAT 3R before it disconnects, is programmable from 1 to 99 minutes. The SAT3 can identify itself by sending a 4 digit ID number as a series of Touch-Tones™.

SAT 3R Functional Specifications:

SAT 3R shall be telephone line powered only (24 Volts @ 25 milliamperes, minimum required power) and not dependent on any external power source or battery.

The SAT3R includes 2 Form C relays (requires transformer, included with "R" model).

All other SAT3R functions remain exactly the same as the SAT3.

SAT 3R shall have Call Progress for dialing phone numbers and for automatic hang-up. Call Progress tones may include dial tone, fast busy, busy, ring back, off hook alert, power denial and line reversal .

SAT 3R shall have built-in 1200 baud modem for programming.

SAT 3R shall be Central Station Compatible in the S.I.A Fast Format.

SAT 3R shall call both central station and regular telephone numbers, in any order

SAT 3R shall store up to 10 discrete 16 digit phone numbers. SAT 3R shall (depending on the programming), dial 2 numbers alternating back and forth 5 times, or ten different phone numbers one after the other. The combinations (up to 10) will depend on the programming, and can be easily changed.

SAT 3R shall have Touch-Tone™ detection for:

Remotely hanging up the SAT 3R.

Sending the 4 digit ID number on command.

Remote Programming.

Acknowledging Call (By lighting the flashing Talk LED).

SAT 3R shall have Ring Detect. to control how many rings the SAT3 will receive before it answers.

SAT 3R shall have talk time from 1 to 9 minutes, in 1 minute increments, or 20 minutes, that a SAT 3R remains connected for talking, before it times out and hangs up.

SAT 3R shall have (if programmed to do so) a programmable acknowledge tone, that will light up the flashing TALK light, after the SAT 3R places a call and the Acknowledge Tone has been received.

SAT 3R shall have password control consisting of a 4 digit-programming password. This is used for remote programming from a Touch-Tone phone.

SAT 3R shall have ID Cycle Time that can automatically send it's 4 digit ID number in 10 second increments.

SAT 3R shall have ID Confirm that (when programmed to do so), will automatically dial the next number in it's memory, if the SAT 3R does not send it's 4 digit ID number. SAT 3R will keep doing this until it does send the ID number, or until it has dialed all the numbers (up to 10 total) programmed into the SAT 3R.

SAT 3R shall have Ring Down Count Retry when used in Ring Down mode, so that if the called phone does not answer, or the SAT 3R receives a dial tone or busy signal, will cause the SAT 3R to hang up and retry the call. This shall be programmable from 1 to 9 retries.

SAT 3R shall be able to detect short burst DTMF tones of less than 70 milliseconds in duration.

SAT 3R shall be capable of programming through external (optional) hand-held programmer containing numeric keypad and LCD display.

SAT 3R shall be A.D.A. compliant and provide LED indicators for "CALLING" and "TALK". Instructions in Braille are (optionally) available for the sight impaired.

SAT 3R case materials shall be made of double wall aluminum shell with stainless steel faceplate (stainless steel shell- optional).

SAT 3R case shall be surface, flush or post mount capable.

All specifications are subject to change without prior notice, at any time.

