

Linear ACCESS[®]

RE-1
Residential Telephone Entry
by Linear



America's gatekeeper.

An RE-1 at the gate.

Linear's RE-1 Residential Telephone Entry system is an unparalleled marriage of style and technology — one of those rare products that both makes a strong statement and performs an essential function.

In terms of design, the RE-1 is unlike any other residential entry product on the market. Uniquely



styled and available in a choice of the "noble metals" — brushed nickel, stainless steel, or gold electroplate — it has all the characteristics of a high-end, architectural-grade, custom-designed

system. Simple, striking, and trend-setting, the RE-1 does more for home owners than provide a means for screening visitors and granting access to their residence. It conveys a subtle statement of affluence. It sends a message to guests arriving at the gate that they have come to a place of importance.

Functionally, the RE-1 brings the cutting edge of access technology to residential entry applications. It is the epitome of security merged with convenience. From its full complement of voice response capabilities to its built-in radio, auxiliary control functions, and optional closed-circuit television monitoring feature, the RE-1 is as forward functioning as it is forward looking.

An RE-1 at the gate says it all. And has it all.

CAST HOUSING MEANS LASTING BEAUTY.

Linear's residential telephone security system is the first to utilize cast stainless steel for its inherent strength and striking appearance. This housing can take hits from both Mother Nature and vandals and maintain its functional integrity and good looks. As an alternative to this stainless housing with a polished finish, the RE-1 also comes in cast zinc with a choice of brushed nickel or gold finishes.



White down lighting that is both dramatic and practical is provided by an extremely long-life white LED source. The use of surface mount technology (SMT) for all electronic components minimizes the effects of interference from electro static discharge and protects against damage from lightning strikes.

CONTROL FUNCTIONS BEYOND THE GATE.

The RE-1 has two built in general purpose relays for maximum system functionality. One can be used for the control relay and the other for a myriad of auxiliary control functions, including activation of safety edge reverse, external lighting, or alarm shunting.

MEGACODE INSIDE. TELEPHONE ENTRY WITH WIRELESS!

The RE-1 is the only telephone entry system presently available offering a built in wireless receiver and antenna. But this is not just any wireless receiver. It's the MegaCode radio by Linear, the people who pioneered radio frequency based



security and access control. The famous MegaCode unit allows the use of handheld, visor clip, and keychain transmitters (the industry's largest selection) to achieve additional remote control over gates and garage door openers. Its code selection from over one million factory-set possibilities that cannot be changed in the field assures the highest protection against code theft and duplication.

VOICE PROMPTS. USER FRIENDLY, OWNER FRIENDLY.



Synthesized voice capabilities are built into the RE-1 to provide instructions for system users/owners, and to provide prompts for visitors, making the system extremely easy to operate. The voice response system also

provides confirmation during remote programming via touch-tone telephone and local programming.

FULL-FEATURED TELEPHONE WITH INTERCOM MODES.

The telephone furnished with this entry system has tremendous flexibility. It is functionally identical to any residential phone and offers the following features: it can call up to three pre-programmed off-site numbers; it can generate call waiting tones; and it can call forward via time zone or resident command.

For on-premises communications, the RE-1 has a number of valuable intercom capabilities. For a property with multiple entrances, guest houses, or separate apartments, any of these locations can be called, because up to seven RE-1's can share the same telephone line and provide intercom functions*. In addition, a separate INTERCOM mode allows connection of the RE-1 to a PBX telephone system or a separate residential intercom system via just a pair of wires.

*Call factory for availability.

SOPHISTICATED YET SIMPLE PROGRAMMING.

Ease of installation is very much a part of the RE-1 concept. Providers can use a standard web browser to program the unit, thus eliminating the need for special software. Programming can also be accomplished from the RE-1's keypad or via a touch-tone telephone.



User programming is equally easy. For example, time zone programming is provided to determine the time and/or day residents are active. Programs are also provided to lock out prank calls in the middle of the night, and to lock or open doors and gates as needed.

OPTIONAL CCTV. THE ULTIMATE CALLER ID.



The RE-1 can be field upgraded with a closed circuit television package that greatly

enhances the capability of the system. The package consists of a compact black/white camera that installs neatly behind the unit's darkened lens for an unobtrusive, non-intimidating appearance. Infrared illuminators are provided to ensure clear images in low light conditions. Additionally, Linear can furnish dealer/installers with a CATV multiplexer so they can offer a complete, integrated monitoring solution.

MORE OPTIONS FOR A FULL-FEATURED SYSTEM.

The unique cast housing of the RE-1 has provisions for the integration of a Knox lock for applications requiring a means for emergency access onto

the property. This feature eliminates the need for an unsightly separate lock box, thus preserving the RE-1's outstanding aesthetics.



For residences with a second drive entrance, a service entrance, or additional vehicle gates or walk gates, auxiliary keypads are available to provide entrance control. These keypads, part of Linear's access control product line, are also valuable when there is a need to have a keypad code to exit the property.



Finally, driveway sensing can be provided for with a loop detector to trigger the RE-1 to announce a vehicle at the gate or to activate a relay to provide more light at the gate.

MORE THAN SINGLE-DWELLING CAPACITY.

The RE-1 is not limited to residential applications. With its capacity for 100 entry codes and its ability to support up to 100 transmitters it is ideal for sites such as employee parking lots and commercial parking garages. Premises entry can be via keypad as well as transmitter. System activity may be monitored and logged (500 event capacity) for retrieval via computer.







General Specifications

OUTPUTS

Relay: two form "C" relays rated at 3A @ 30 Vac or Vdc, each programmable for control, obstacle, alarm or shunt

Sounder: programmable for key presses and relay activation

Voice: synthesized human voice prompts for visitor and programming assistance; voice is heard through speaker and remote telephones

INPUTS

Call Button: push button input used to initiate communications

RF: integral 318 MHz super heterodyne receiver @ — 100dBm sensitivity (typical); receives Linear block coded transmitters and MGT supervised safety edge transmitters

Open Request: terminal input for each relay; when activated, will trigger the assigned relay for the programmed relay on time

Door Sense/Inhibit: terminal input for each relay monitors status of a protected entry point or can be programmed to restrict access to the assigned relay

Keypad: 12 digit telephone style keypad for accepting entry codes and for local programming

Power: 16 Vac (transformer included); input for externally charged 12 to 24 Vdc battery backup

Current Draw (dialing out to one phone):

16 Vac: 270 mA standby

440 mA operating

12 Vdc: 250 mA standby

500 mA operating

24 Vdc 150 mA standby

300 mA operating

Operating Temperature: -22°F to 149°F (-30°C to 65°C)

PROGRAMMING

Locally via keypad; remotely via touchtone telephone or computer with modem running a web browser;

NO SOFTWARE REQUIRED

Memory: all data memory is stored in non volatile EEPROM with data retention in excess of 10 years

Clock/Calendar: 24/7 clock/calendar with battery back-up used for time zones; relay hold open times; date/time stamp for event log entries; downlight on/off times

Connections: all power, telephone, relay and control connections to the unit are with plug on screw terminal blocks; RJ-45 and BNC connections for optional RE-BWC camera kit

STANDARD EQUIPMENT

RE-1: residential telephone entry system that is capable of sharing an existing phone line, a dedicated line, and dialing out up to 3 additional off site numbers or used as an intercom; integral keypad used to accept entry codes; integral radio receiver will accept signals from block coded transmitters; built-in clock calendar; voice prompts; accepts one remote keypad; provisions for dealer installed (not included) Knox switch; telephone bypass switch

AVAILABLE ACCESSORIES

RE-BWC: field upgradeable black & white CCTV camera; camera includes infrared illuminators for clear picture in low/no light conditions; receives power from RE-1

AM-KP: auxiliary wired keypad used for accepting entry codes to control a second door or gate

Block Coded Transmitters: programming remotes into the RE-1's integral radio receiver can be done with just a few keystrokes



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