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
Antenna: RE-1 built in, RE-2 external
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/calender with battery backup for time zones; relay hold open times, date/time stamp for event log entries; daylight on/off times
Connections: all power, telephone, relay and control connections to the unit are with plug on screw terminal blocks; RS-485 and BNC connectors for optional camera kit

STANDARD EQUIPMENT
RE-1 and RE-2: residential telephone entry systems that are 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/calender; voice prompts; accepts one remote keypad; provisions for dealer installed (not included) Knox switch; telephone bypass switch

Available Accessories
RE-BWCS: RE-1 field upgradable black & white CCTV cameras which includes infrared illuminators for clear pictures in low/no light conditions; powered by the RE-1
CCM-RE1: RE-1 field upgradable color CCTV camera; powered by the RE-1
CCM-2A: RE-2 field upgradable color CCTV camera; powered by the RE-2
CPDM-1: Digital Modulator: Converts camera video signal to a UHF or CATV channel television signal
AM-RP: auxiliary wired keypad used for accepting entry codes to control a second door or gate

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

RE-2 Trim Rings
• For the RE-2N use trim-ring P/N: ACP00915
• For the RE-2SS use trim-ring P/N: ACP00917

Trim-ring hole dimensions

RE-1 NICKEL
RE-1 STAINLESS STEEL
RE-2 STAINLESS STEEL
RE-2 NICKEL

America's gatekeeper.
Linear’s Residential Telephone Entry systems are an unparalleled marriage of style and technology — products that both make a strong statement and perform an essential function.

In terms of design, the RE-1 and RE-2 are unlike any other residential entry product on the market. Uniquely styled and available in a choice of powder coated nickel or stainless steel — they have all the characteristics of a high-end, architectural-grade, custom-designed system. Simple, striking, and trend-setting, the RE-1 and RE-2 do more for homeowners than provide a means for screening visitors and granting access to their built-in receiver, auxiliary control functions, and to lock or open doors and gates.

The RE-1 and RE-2 are the only telephone entry systems presently available offering a built-in wireless receiver as standard equipment. 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 handset voice clip and keytrans transmitters (the industry’s largest selection) to achieve remote 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 level of security.

Ez to install and program, the RE-1 & RE-2 provide the consumer with a high level of convenience, security, and the assurance that their neighborhood and home are protected.

The unique cast housing of the system provides for an unsightly separate lock box, thus preserving the RE-1 and RE-2’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 available for an unsightly separate lock box or alarm shunting.

Each system can be field upgraded with a closed circuit television package that greatly enhances each unit’s capabilities. The RE-1 supports a Model RE-1CVC Black & white camera or Model CCVM-1 color camera, each system has provisions for the camera’s video signal onto a custom television channel that can be viewed on a standard television, or on multiple television sets.

Other options that are available for the RE-1 and RE-2 are:

1. OFF-SITE, ANYWHERE IN THE WORLD, A TELEPHONE CONTROL FUNCTION.
2. OUTSIDE, ANYWHERE IN THE WORLD, A TELEPHONE CONTROL FUNCTION.
3. ONE HOMEST FUTURE, THE CALL FOR ACCESS.

Grunting access and controlling the gate operator is as easy as dialing the telephone. Both access relays can be individually controlled using a TouchTone telephone. If the access gate needs to be opened, without a call from a visitor, any telephone in the house can be used to open the gate by keying in a few digit code pattern. The telephone code can be used to lock or release either of the access relays, if an unexpected visitor arrives, or in case of an emergency. The system’s optional CCTV camera a code from any onsite telephone can activate the systems. Any audio communication is simple. This outstanding feature allows remote monitoring and speaking to the entry system area with the unit’s high-volume speaker. Off-site anywhere in the World, a telephone can be used to activate an auxiliary control relay to provide more light at the gate.

More than Single-Dwelling Capacity.

The RE-1 and RE-2 are not limited to residential applications; with their ability to support up to 100 transmitters they are ideal for use in small or large residential complexes, commercial parking garages, and virtually anywhere in the World a remote telephone access control system is needed. Optional CCTV camera's video signal onto a custom television channel that can be viewed on a standard television, or on multiple television sets.

More Options for a Fully-Featured System.

Additional telecommunication functions include activation of a Knox lock for emergency access onto the property. This feature eliminates the need for an unsightly separate lock box, thus preserving the RE-1 and RE-2’s outstanding aesthetics.