Why use Camden Lazerpoint™ RF ?

The top 5 reasons given when Door installers are asked why they don't use RF.
(preferring instead to hard-wire wall-switches to Low-Energy door operators)

#1 *"Radio transmitters suffer from poor Battery life, and no way to tell when the batteries are low except the door just quits, inconveniencing the customer"*

- Camden uses the latest technology to minimize voltage and current draw, squeezing an incredible amount of life out of inexpensive AAA batteries. (Our tests indicate over 600,000 operations out of a single set).
- An Industry exclusive built-in Piezo sounder alerts the user to the following:
  Low Battery Anunciator – The transmitter beeps once when the switch is depressed and the battery needs to be changed;
  Gas Gauge™ Feature – Press and hold the switch for 5 seconds to get a audible condition of the battery (1 – 5 beeps for battery strength);
  Stuck Switch Indicator - If the switch connected to the transmitter is stuck (shorted) for longer than 15 seconds, then a unique audible tone will sound to alert the user. A battery saving feature will ensure the batteries will not expire prematurely.

#2 *"Lousy Performance, too short of Range, and everything interferes with them"*

- Current RF products all operate at a low and very crowded frequency range (310 to 433 MHz). Camden Lazerpoint™ operates at a very high & FCC approved 915.0 MHz. The benefit is increased range, and performance as the smaller wavelength is able to carve through typical construction materials and travel farther.
- We utilize Spread Spectrum Technology, meaning we transmit not one but *three simultaneous frequencies* ensuring that the signal always gets through, even if one or two frequencies are blocked.
- On-board visual Signal Strength Visualizer™ aids the installer by flashing Red & Green LED's to indicate the strength of the signal from the transmitter. Result - no more guesswork.

#3 *"I'm hesitant to add yet another RF line (lack of backwards compatibility), with limited or no companion products available"*

- While the Lazerpoint™ transmitter and receiver combination operate at 915 MHz, the receiver has two plug-in slots to accommodate special daughterboard's – additional tiny receivers that currently work with transmitters on the following frequencies – 300 MHz, 318 MHz, 390 MHz, and 433 MHz. This means the same receiver is now compatible with nearly every other major RF system commonly used today. (And it will work with two different daughterboard's simultaneously).
- Camden also offers an impressive line of companion Hand-held transmitters from full-size 1, 2, & 4 button, as well as 1 & 2 button mini's, and wireless keypads.

#4 *"I still have to add a sequencer or switching network which means extra parts & extra costs"*

- While this might be typical of garage door type receivers, our RX-92 receiver is equipped with two 3-Amp relays, three 1-30 second potentiometers and six different operating modes, including Make/Break Relay (Switching Network), two different Latching relay modes, and two different bi-directional door sequencing modes. No special transmitters or additional equipment is needed, minimizing cost and installation time.
- Couple this with the plug-in daughterboard's, and exclusive Piezo-equipped transmitter, and you've got the most dependable & flexible RF package on the market today.

#5 *"The receivers are too large to fit in newer compact headers, and transmitters too large to fit in jamb boxes"*

- Older technology required large form factor components. Camden's Lazerpoint™ uses the latest micro-components and surface-mount technology to shrink the transmitter and receiver to unheard of dimensions – our receiver is the size of a standard business card!!
- Our transmitter is certainly capable of fitting in a standard jamb box. Our AAA battery package is slightly smaller than a typical 9V battery.
- The result is a transmitter capable of installing behind any switch, and a receiver that will fit inside the Automatic door header (no more unsightly installs atop or beside the header).

Additional Exclusive Features:

- 12 / 24V AC/DC operation means compatibility with every door operator.
- Convenient Terminal Strip means hassle free wiring (no dubious Marr connectors).
- 40 Code Memory accommodates larger installs.
- 1 – 30 second potentiometers are "user-friendly" (versus complicated dip switches).
- Instant Response™ Feature means even the briefest switch press insures reliable activation.
- 2 x dual function LED's - Relay status, # of learned codes,
- Dual function LED bar graph – learned transmitter codes & Potentiometer Visualizer™
- 1 or 2 Form C relays with 3 Amp contacts for dependable relay life.
- 33" LED Cable tool aids installer by duplicating on-board LED's.
- Hand held Programmer (RFIQ) eases installation (coming soon)