



NexWatch SE1050 and SE1060 Command Keys add a high level of convenience and security for access management applications. A credit-card sized personal identification credential, the SE1050 and SE1060 Command Keys are passive proximity cards that combine proximity technology and rugged construction to provide ease of use, durability and reliability for a more secure access control system.

SE1050 and SE1060 Command Keys are ideal for industrial, office, educational and governmental organizations that need a Command Key to provide:

- Easy tracking and access control for security applications
- Extended read ranges
- **SE1050** provides complete compatibility with:
 - SE800 Series, Alto 818SC, Alto 818SX, SE718P, SE422, SE22 and SE902S ACUs (SE1050 ONLY)
- **SE1060** provides complete compatibility with:
 - SE804/808SXT, Alto 818 Series and SE422 Series controllers
- Maximum durability — constructed of tough fiberglass epoxy and protected on both sides with a vinyl or Lexan® skin, the SE1050 Command Key is so durable that each card comes with a five year warranty from NexWatch
- Ultimate security — virtually impossible to duplicate
- No maintenance — operating entirely on passive technology, the Command Keys are powered by the reader only and requires no batteries and no maintenance
- Easy company and user identification allowing use of company logo, photo and other identifying information
- Convenient transport as a badge or in any pocket

KEY FEATURES

- Durable construction
- 5-year warranty
- Virtually impossible to counterfeit or duplicate
- Photo ID, with laminate
- Completely passive technology requires no batteries or maintenance

SE1050

- Works with all our Controllers that support analog proximity technology, including:
 - SE902S, SE800 Series, Alto 818 Series, SE718P, SE422 Series, SE22

SE1060

- Works with the following analog-capable controllers
 - Alto 818 Series, SE804/808SXT, SE422 Series

Benefits

- One of the most widely used, secure access credentials in the security management industry
- Easy tracking and access management for security applications
- Impervious to even the harshest environments; so durable that most cards outlast the five-year warranty
- Easily transportable in pocket, wallet or purse.
- High user acceptance
- No batteries and no maintenance

SPECIFICATIONS

Basic operation

SE1050 and SE1060 Command Keys operate on the principle of proximity, an access control technology pioneered by NexWatch. The basic operation of the card is simple. Rather than inserting a key into a lock, the cardholder simply presents the Command Key to a reader. If the cardholder has access privileges to that location at that time, access is granted. If not, access is denied. However, the transaction that the cardholder does not see is more involved and takes place through advanced technology and sophisticated automation.

Advanced technology provides controlled access and a secure facility

Inside the Command Key is a circuit board with several heavy-gauge, looped-shaped copper inductors with the same number of chip-type capacitors securely attached into cavities on the board. Each coil/capacitor combination forms a sharply tuned LC circuit. The codes consist of a set of radio frequencies (RF) in the range of 3 to 27 Mhz. These frequencies cause the Command Key circuits to resonate, producing a unique code for each card.

The Controller generates RF output that sweeps its range within a few milliseconds. When the card is presented to a sensor, the resonating circuits of the Command Key cause a change in the electromagnetic field near the sensor.

As the cardholder presents the card in front of the reader, the reader makes several sweeps of the Command Key to verify the code. That code is sent to, then analyzed by, the controller to determine whether or not to grant access. If the controller has been programmed to accept that code at that time, access is granted. If not, access is denied. This process typically takes less than one second; all activity is recorded by the controller.

Features

- Proven analog technology by the pioneering leader in proximity security management systems
- Compact, credit card size
- Can be customized with dealer or end-user skins
- Photo ID-ready
- Unique access codes that cannot be duplicated
- Five-year warranty
- Constructed of tough fiberglass epoxy and protected on both sides with a vinyl or lexan skin
- Can be hung from pocket or purse using pocket clips or special holders
- Passive-powered by sensor
- Easily customized with logo, photo, bar code and other identifying information
- Check-point free — does not interfere with library or retail security efforts

ORDER INFORMATION

Model	Order #	Description
SE1050	92105000000	Analog Command Key
SE1060	92106000000	Analog Command Key

- Capable of supporting multiple technologies, including:
 - Analog proximity, Photo ID with laminate, Bar code
- SE1050 work with all our Controllers that support analog proximity technology, including:
 - SE902S, SE800 Series, Alto 818 Series, SE718P, SE422 Series, SE22
- SE1060 is compatible with the following controllers:
 - Alto 818 Series, SE804/808SXT, SE422 Series

Options

- Logo skins: Color skins (no logo) can be ordered in solid blue or solid white.
- Dealer stock skins: A dealer logo can be imprinted on each skin in a variety of colors. Dealer must provide artwork.
- Special print: An end user logo can be imprinted on each skin. If the end user exercises this option, however, it could present a security risk. If the finder of a lost card knows where the card may work, that unauthorized individual could possibly gain access to a facility. Consider this before exercising the special print option.
- Photo ID packet: Photographs can be attached via a special packet that is applied to either the Command Key skin or in place of a skin.
- Elongated keys: To make it easier to use the card as an ID badge, a key that is 1/4 inch longer than the standard command Key is available. The 1/4 inch elongation accommodates a strap and clip directly on the card.

Specifications

- **Reading technology:** SE1050: Proximity; SE1060: Analog
- **Power:** Passive-powered by reader
- **SE1060 Compatible sensors:** SE2800 Series analog proximity sensors
- **Application:** No metal should be placed between Command Key and sensor surface. If metal is present, it can disrupt communication between the card and the reader.
- **Dimensions:** 3.36 x 2.12 x 0.1 inches / 8.53 x 5.38 x 0.25 cm
- **Weight:** 0.6 oz / 17 g
- **Temperature:**
 - 50° to 120° F / -46° to 49° C operating;
 - 50° to 170° F / -46° to 77° C storage

MAIN OFFICE

47102 Mission Falls Court
 Fremont, CA 94539
 510 360-7800
 510 360-7820 Fax
<http://www.nexwatch.com>

MIDWEST OFFICE

5007 South Howell Avenue
 Milwaukee, WI 53207
 414 769-5980
 414 769-5989 Fax

EUROPEAN OFFICE

Böblinger Straße 17
 D-71101 Schönaich
 Germany
 49-7031-637-782
 49-7031-637-769 Fax



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