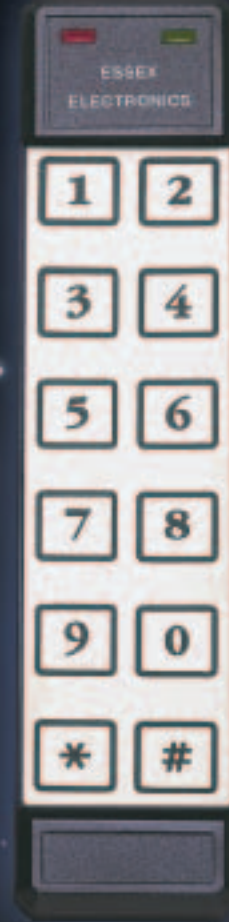


# ADAPTABLE

## ALL-IN-ONE READER / ACCESS CONTROLLER



### K1 SERIES

#### Field Selectable Keypad Configuration

- 26 Bit Wiegand Reader
- 8 Bit Word Reader
- BCD Reader
- ABA Track II Reader
- Serial ASCII Reader
- Stand Alone Access Controller

#### Professional Grade Piezoelectric Keypads

- Billion Cycle Switch Technology™
- Vandal Resistant (No Moving Parts)
- Weatherproof (-40° C to +70° C)
- Waterproof (100% Relative Humidity)
- Limited Lifetime Warranty
- New Laser Marked Keypad Graphics

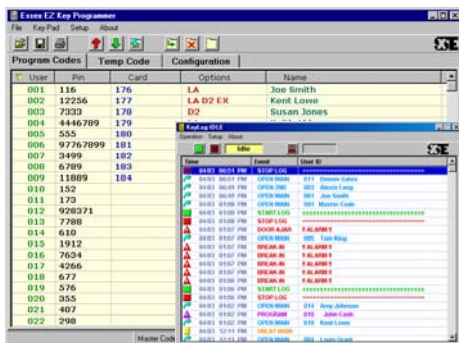
**XE** ESSEX  
ELECTRONICS  
INCORPORATED  
1-800-KEYLESS    [keyless.com](http://keyless.com)

## Features

- **Field Selectable Keypad Configuration**
  - 26 Bit Wiegand Reader (Programmable site code)
  - 8 Bit Word Reader
  - BCD Reader
  - ABA Track II Reader
  - Serial ASCII Reader (Selectable Baud Rate/Parity)
  - Stand Alone Access Controller
- **Vandal Resistant Design**
  - Fully encapsulated Keypad with no moving parts
- **Limited Lifetime Warranty**
  - Lifetime Warranty against defects in materials and workmanship

## Access Control Features

- **502 Users**
  - 1 Master Code, 500 User Codes, 1 Temporary Code
- **3 Programmable Open Collector Outputs**
  - 1 Main Output – External Relay Unlock or Encoded Relay Unlock (requires Encoded Relay Module)
  - 2 Auxiliary Outputs – CCTV, Internal Alarm, 2<sup>nd</sup>/3<sup>rd</sup> Door. Encoded Relay Module or External Relays may be required
- **Programmable Output Time**
  - 1 to 99 seconds
- **Tamper Alarm**
  - Multiple incorrect entries trigger Tamper Alarm and lock out system for 30 seconds
- **Remote Bypass (REX)**
  - Remotely activate Main Output for Programmed Output Time
- **Anti-Tailgating**
  - Helps prevent unauthorized access
- **Manual or Timed Latching**
  - Latch any of the 3 outputs
- **Time Zone/Restricted Access Input**
  - An external time clock or manual key switch can lock out selected Users
- **Easily Programmable at the Keypad or PC**
  - Add, Modify or Delete Users from the Keypad or use EZKey PC Programming software included with optional Encoded Relay Module (ERM3). The ERM3 has a serial interface to connect to the PC. (Serial cable required)



Easily Add, Modify or Delete Users on your PC then upload to Keypad

Log Audit Trail Transactions while ERM3 is connected to a PC

## Specifications

- **Power Requirements**
  - K1 Series Keypad: Field Selectable 5VDC or 12 to 24VDC
  - K1 w/ Encoded Relay Module (ERM3): 12 to 24VAC/DC
- **Outputs**
  - K1 Series Keypad: 3 Open Collector, ¼A Max to ground
  - K1 w/ERM3: 3 SPDT Relays rated 6A at 120VAC
- **Current Draw**
  - K1 Series 12 Pad 3x4: <35mA
  - K1 Series Thinline 2x6 Illuminated: <70mA
  - Non-Illuminated: <35mA
  - K1 Series w/ERM3: 160mA Max (All 3 Relays ON)
- **Keypad Switch Life**
  - > 1 Billion Cycles
- **Dimensions**

	Height	Width	Depth
12 Pad 3x4	5½" (13 cm)	3¾" (8.6 cm)	7/16" (1.1 cm)
Thinline 2x6	7½" (18.1 cm)	1¾" (4.4 cm)	¾" (1.9 cm)
ERM3	5½" (14 cm)	7½" (19 cm)	2½" (6.4 cm)
- **Operating Environment**
  - K1 Series Keypad: – 40° C to +70° C (– 40° F to +160° F)
  - 100% Relative Humidity
  - ERM3: – 40° C to +49° C (– 40° F to +120° F)

## ORDERING GUIDE

### A – Choose SERIES

K1 • K1 Series

### B – Choose MATRIX

26 • Thinline 2x6

34 • 12 Pad 3x4

### C – Choose FINISH/STYLE

12 Pad 3x4

S • Stainless Bezel

K • Black Bezel

B • Brass Finish\* Bezel

Thinline 2x6

S • Stainless Overlay

I • Black Illuminated Overlay

B • Brass Overlay

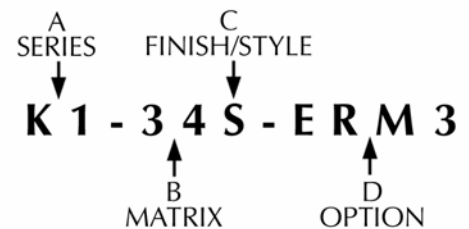
R • Braille Overlay

### D – Choose RELAY MODULE (Optional)

ERM3 • Encoded Relay Module (includes 15' Wiring Cable and EZKey PC Programming Software)



EXAMPLE:



\* Note: Bezel is Brass in appearance. Actual Bezel is Stainless Steel with long lasting PVD coating