



# UPGRADE SMARTER

E27 Alarm Engine & ElkConnect Provide the Ultimate Solution for Upgrading & Modernizing Existing Security Systems



### SAVE TIME & MONEY

Utilizes existing wiring, sensors, speakers, and other components, while providing hybrid flexibility for future expansion, whether hard-wired or wireless.



### MODERNIZE WITH EASE

Easily integrate Z-Wave devices for convenient control and intelligent automation of lights, locks, thermostats, and garage doors.



### CONTROL ON THE GO

ElkConnect offers convenient E27 system control and real-time alerts for users. Installers also gain an edge, with advanced tools for easy configuration and setup.



[elkproducts.com/e27](http://elkproducts.com/e27)



## NEED INTEGRATIONS?

The E27 Alarm Engine just got even more powerful with exciting new integrations! Discover what's possible when you connect with our growing network of integration partners and take your E27 installations to the next level!

- ✓ Alfred
- ✓ Crestron Home
- ✓ Elan Home (Nice)
- ✓ Savant
- ✓ Control 4
- ✓ Ecolink
- ✓ URC
- ✓ Z-Wave

SECURE. AUTOMATE. INTEGRATE.



# ALARM ENGINE DESIGN GUIDE

## ON-BOARD WIRELESS

**ELK-AERF9**  
Two-Way Wireless Transceiver

OR

**ELK-AERF3**  
319.5MHz Wireless Receiver



Part#	Description
ELK-6010	4 Button Remote
ELK-6011	Single Button Panic
ELK-6020	Slimline Door/Window (White)
ELK-6020BR	Slimline Door/Window (Brown)
ELK-6021	Mini Window (White)
ELK-6021BR	Mini Window (Brown)
ELK-6022	Universal 3-Zone
ELK-6023	Recessed Door (White)
ELK-6023BR	Recessed Door (Brown)
ELK-6030	PIR Motion
ELK-6030P	PIR Motion (Pet Immune)
ELK-6040	Glass Break
ELK-6051	CO Detector
ELK-6052	Smoke/Heat Detector
ELK-6053	Heat Detector



Part#	Description
ELK-319DG	All Weather Door/Gate
ELK-319DR	Recessed Door
ELK-319DWM	Mini Door/Window
ELK-319GB	Glass Break
ELK-319HRR	Heat Detector
ELK-319KF1	Single Button Panic
ELK-319KF4	4 Button Remote
ELK-319PB1	Heavy Duty Panic
ELK-319PIRC	360° Motion
ELK-319PIRW	Wall Mount Motion
ELK-319WA	Water (Leak/Flood)
ELK-319WS	Window/Shock

Also Compatible with 319.5 MHz Wireless Sensors from Other Manufacturers  
**GREAT FOR TAKEOVERS!**

### ACCESS READER

ELK-106055 or other 26-Bit Wiegand Access Reader or Keypad



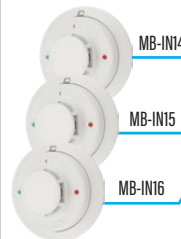
Requires ELK-W039A Wiring Harness

### HARDWIRED SENSORS

- Door/Window Contacts
- Glass Break Detectors
- Motion Detectors
- Vibration/Shock Sensors
- Garage Door (Tilt) Sensors
- Gate Sensors
- Smoke Detectors
- Heat Detectors
- Carbon Monoxide Detectors
- Gas Detectors
- Panic Buttons
- Water Leak Sensors
- Temperature Sensors
- Humidity Sensors
- Photoelectric Beam Sensors
- Pressure Mats
- and More!

### 2-WIRE SMOKES

Up to 3 Zones



Set applicable jumpers to 2W  
Requires 820 Ohm EOL Resistor

### SAUX

Switched Power for Smokes, etc.

### VAUX

Constant Power for Motions, Glassbreaks, etc.

MB-IN1 through MB-IN16

**ELK-7TS**  
7" Touchscreen for Alarm Engine



Optional Desk Stand - ELK-DS47TS

Connect to LAN via Built-in Wi-Fi or ELK-POE47TS Ethernet/PoE Adapter

**ELK-POE47TS**  
Ethernet/PoE Adapter for ELK-7TS



### NETWORK INTEGRATIONS

- Control 4
- Savant
- Crestron Home
- URC
- Elan
- and More!



Wi-Fi Router

Connect to LAN via On-Board Ethernet or Wi-Fi Adapter



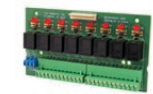
**ELK-AEWF**  
Wi-Fi Adapter



**ELK-AEZW**  
Z-Wave Interface Module



Lights Thermostats Locks Garage Controllers



**ELK-M1RB**  
Voltage Output to Relay Converter Board

### CONTROLLABLE DEVICES

- OUT 1-10 (12VDC)
- OUT 11 (Relay)
- Door Strikes / Mag Locks
- Fans
- Garage Openers
- Gate Openers
- Pumps
- Relays
- Shade/Blinds
- LED Indicators
- Water Valves
- and More!

### ALARM SPEAKERS, SIRENS, AND/OR STROBES



ALRM 2  
ALRM 1

ALRM 1 and ALRM 2 are programmable as a Siren Driver Output or 12VDC Output

E27CB Alarm Engine in SWB14P 14" Plastic Enclosure

Prefer a Metal Enclosure?  
ELK-SWB14 - 14" Metal Enclosure  
Need a Bigger Enclosure?  
ELK-SWB28 - 28" Metal Enclosure

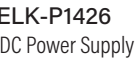
### Optional Data Bus Hubs Simplify Data Bus Wiring



**ELK-M1DBH**  
Data Bus Hub for CAT5/6 Wiring



**ELK-AEDBHR**  
Data Bus Hub for 4 Conductor Wiring



**ELK-P1426**  
14VDC Power Supply

### ELK-AEXIN

16 Zone Input Expander + 1 Aux Relay  
Dip Switch Selectable EOL Resistor Value (Supports 1K, 2.2K, and 3.3K)

### ELK-AEXDD

Digital Dialer for POTS Line or Cell  
Dial Capture Module of Choice

### ELK-AEXOU

Output Expander, 8 Relays



**ELK-AEXCELL**  
Cellular Communicator