

UNDERWRITERS LABORATORIES (UL) INFORMATION / REQUIREMENTS ELK-M1Gold & ELK-M1KP

The ELK-M1 currently holds the following listings, i.e. certifications or approvals:

UL Standard 985, Household Fire Warning System Units
UL Standard 1023, Household Burglar-Alarm System Units
UL Standard 1635, Digital Alarm Communicator System Units,
UL Standard 1637, Home Health Care Signaling Equipment
ULC C1023-74, Canadian Standard for Household Burglar Alarm System Units,
ULC S545-02, Canadian Standard for Residential Fire Warning System Control Units.
UL Standard 1610, Central-Station Burglar-Alarm Units
UL Standard 365, Police Station Connected Burglar Alarm Units and Systems
UL Standard 609, Local Burglar Alarm Units and Systems
ULC S303, Canadian Standard for Local Burglar Alarm Units and Systems
ULC S304, Canadian Standard for Central and Monitoring Station Burglar Alarm Units
CSA C22.2 No. 205-M1983 . Canadian Standard for Signal Equipment
CSFM California State Fire Marshall

MINIMUM SYSTEM CONFIGURATIONS FOR UL INSTALLATIONS

Household Burglary (UL 1023), Household Fire (UL 985), Digital Alarm Communicator (UL 1635) Listed Installations

- At least one compatible keypad is needed for all applications.
- At least one bell fixture is required for all applications.
- Household Burg requires 4 hours of standby power. Limit combined continuous current draw from terminals +SAUX, +VAUX, +VKP, and connector J16 to 1 Amp max. and use one (1) 8 Ah battery.
- Household Fire/Home Health Care requires 24 hours of standby power. Limit combined continuous current draw from terminals +SAUX, +VAUX, +VKP, and connector J16 to 500 mA and use two (2) 8 Ah batteries in parallel.
- Force Arming and Auto Arming shall not be enabled
- For Household Fire Listed Installations the indicating devices shall be a Wheelock 34T-12 or equivalent.
- Initiating and indicating devices must be rated at 11.5 to 12.4 VDC.
- For Household applications the minimum alarm cutoff time for the audible devices shall be 5 minutes.
- Zone Swinger Shutdown shall not be enabled.
- Remote Downloading shall not be used on UL Listed systems.
- Communicator Dial Delay time shall be set to .0..
- For Household Burg Listed Installations the maximum entry delay time shall be 45 seconds and the max. exit delay time shall be 60 seconds.
- 24-hour communicator test transmission is required.
- The silent keypad option shall not be enabled.

Home Health Care (UL 1637) Listed Installations

Requirements described under UL985 plus:

- A minimum of two (2) keypads are required with one keypad powered from .+VKP. and one keypad powered from .+VAUX..

Commercial - Central Station (UL 1610), Police Station Connected (UL 365), Local Burglar Alarm (UL 609) Listed Installations

Requirements described under UL1023 plus:

- The Alarm Cutoff timer must be set to 00900 sec. (15 min.) or greater.
- UL Commercial Burg requires 4 hours of standby power. Limit combined continuous current draw from terminals +SAUX, +VAUX, +VKP, and connector J16 to 450 mA max. and use one (1) 8 Ah battery.
- An acceptable Commercial enclosure must be used (see Listed Enclosures below)
- Tamper Switch(s) must be installed on the enclosure and connected to a 24 hour Burg Tamper defined Zone.
- All Keypads need to be installed within the protected area (they have no tamper)
- DO NOT USE an A B Attack Cabinet for the external sounder
- A Whenever/And/Then rule should be written (using ElkRP software) to enable the Output 2 Siren to .chirp. upon closing ringback.

UL Canada Listed Installations (ULC S304 and ULC S303)

Requirements described under UL1023, 1610 plus:

- Entry Delay must be set to 60 seconds or less.
- Exit Delay must be set to 120 seconds or less.
- The Alarm Cutoff timer must be set to 00900 sec. (15 min.) or greater.
- UL Canada Commercial Burg requires 24 hours of standby power. Limit combined continuous current draw from terminals +SAUX, +VAUX, +VKP, and connector J16 is 450 mA max. and use two (2) 8 Ah batteries in parallel.
- Zone Expanders must be in an acceptable Commercial enclosure (see Listed Enclosures below)

LISTED ENCLOSURES:

For Household Burglar or Household Fire Listed Installations

One of the following enclosures must be used:

- ELK 14. Enclosure model ELK-SWB14 or ELK-UB14
- ELK 28. Enclosure model ELK-SWB28
- OnQ Legrand 14. Enclosure models 363474-01 or 363474-11 utilizing the Universal Mounting plate part no. 364453. Not LISTED FOR CANADA
- OnQ Legrand 28. Enclosure models 363475-01, 363475-11, 364591-01, 364591-02 or 364591-11 utilizing the Universal Mounting plate part no. 364453. Not LISTED FOR CANADA
- OnQ Legrand 42. Enclosure models 363476-01, 363476-11, 364592-01, 364592-02, or 364592-11 utilizing the Universal Mounting plate part no. 364453. Not LISTED FOR CANADA

For Commercial Listed Installations

One of the following enclosures must be used:

- ELK-TB14 Tamper Resistant Enclosure
- GE .Caddx. NX003-C with an ELK-61205684 Mounting Adapter Plate (See diagrams below)