

# ULC Installation Information

## All Installations:

- Transformer - Minimum 16 Vac 37 VA, Class 2, CSA/cUL Listed
- Install with ULC Listed devices where applicable.

Conditions	Residential Burglary	Residential Fire	Central Station Burglary	Central Station Fire	Local Burglary
Minimum battery standby	4 Hour 12 V 4Ah	24 Hour 2 x 12 V 7Ah	24 Hour 2 x 12 V 7Ah	24 Hour 2 x 12 V 7Ah	24 Hour 2 x 12 V 7 Ah
System entry delay	≤ 45 s	not applicable	≤ 60 s	not applicable	≤ 60 s
System exit delay	≤ 60 s	not applicable	≤ 120 s	not applicable	≤ 120 s
Minimum bell cutoff	4 minutes	4 minutes	Optional	Optional	15 minutes
Installation standard	CAN/ULC - S310	CAN/ULC - S540	CAN/ULC - S302	ULC/ORD - C693	CAN/ULC - S302
Equipment standard	ULC/ORD - C1023	CAN/ULC - S545	CAN/ULC - S304	CAN/ULC - S527 NFPA 72	CAN/ULC - S303
Digital communicator	Enable for monitoring	Enable for monitoring	*See Note 1	*See Note 2	Optional
Label required	Household Burglary Alarm System Control Unit	Household Fire Warning Alarm System Control Unit	Subscribers' Unit Burglary	Subscribers' Unit Fire Alarm	Subscribers' Unit Burglary
Power LED assembly Model ULC-LA	Optional	Required	Required	Required	Required
AC power hardwire connection	Optional	Optional	Optional	Required Check Local Authority	Optional
System tamper protection	Optional	Optional	Required *See Note 9	Required See National Building Code Section 3.2.4	Required *See Note 9
Cabinet	Standard	Standard	Standard	Standard	Attack Resistant *See Note 10
Special Notes	_____	*See Note 5	*See Note 6	*See Notes 3, 4 & 8	*See Notes 6 & 7

## \*Notes:

- Line security requirements:
 

<b>Level 0</b>	Digital communicator enabled and connected to a single telephone line	Reports to ULC Listed Sur-Gard receiver model SG-MLR2 or ULC Listed ADT receiver model UCS-2995001/2995029
<b>Level 1</b>	Digital communicator enabled and connected to a single telephone line, and ULC Listed LINKS 1000 Cellular Transmitter	Reports to ULC Listed Sur-Gard receiver model SG-MLR2 or ULC Listed ADT receiver model UCS-2995001/2995029
<b>Level 3</b>	ULC Listed DVACS* module PC5400, P5400, PC4400, P4400 enabled	Reports to ULC Listed Sur-Gard receiver model SG-MLR2-DV or ULC listed ADT receiver model UCS-2995001/2995022
- One wired ULC listed fire module; a compatible PC5720, P5720, PC5700, P5700, PC4701, P4701, PC4700, or P4700 and 2 independent telephone lines or
  - A telephone line and ULC Listed Links1000 Cellular Alarm Transmitter or
  - One wired ULC Listed DVACS module: PC5400, P5400, or PC4400.
- Each ULC Listed, "SUBSCRIBERS CONTROL UNIT - FIRE/BURGLARY", i.e. PC5010, MUST be connected to ULC Listed, "FIRE ALARM CONTROL UNIT", if they are to monitor a complete fire alarm system. System alarms and troubles to be transmitted.
- The zones comprising the fire alarm system must be programmed to transmit troubles on the communication lines within 4 minutes: i.e. opens, ground faults or failure to communicate. This applies to all communication configurations: dual telephone line, DVACS\* or cellular.
- Program zone for ULC Listed 4-wire smoke detectors or compatible ULC Listed 2-wire smoke detectors. (see diagrams on back)
- Double end of line zone configuration must be used (see diagram on back).
- Only one contact per zone.
- This may be connected to ULC Listed Sprinkler Riser devices(see diagram on back).
- All system enclosures must be 24 hour tamper protected against opening or removal (DSC Tamper Kit T-1 or equivalent). This includes control unit and accessory cabinets, initiating devices and bells/strobes. Keypads must be tampered unless they are within the protected area.
- The PC4020/PC4010 and P864/P16128 control units must be in the PC4050CAR cabinet. Other control units must use the CMC-1 cabinet.

## Programming

The notes in the programming sections describing the system configurations for ULC Listed installations must be implemented.

\* DVACS is a registered trademark of Electro Arts Canada.

## Protection of the Control Unit - Burglary

The local control and the local power supply must be protected by one of the following ways:

- The control unit and power supply must be within the area of greatest protection which is on a tamper protected circuit.
- Each partition shall arm the area protecting the control unit and the audible alarm device power supply. This may require duplicate protection armed by each partition. Access to this protected area, without causing an alarm, will require that all partitions be disarmed.

In all cases described above, the protected area for the control unit must be programmed as not by-passable and installed in accordance with CAN/ULC-S302 or CAN/ULC-S310.

## User Information

The installer should advise the users and note in the user instruction manual:

- Service organization name and telephone number
- The programmed exit time
- The programmed entry time

