
BULLETIN 2000-019-BU/EL

Revised August 11, 2015

**SIGNALS TO FIRE DEPARTMENT VIA FIRE ALARM SIGNAL
TRANSMITTING UNIT FROM PROTECTED PREMISES TO FIRE SIGNAL
RECEIVING CENTRE IN CONFORMANCE WITH CAN/ULC-S561**

The intent of this bulletin is to clarify the requirements of Sentence 3.2.4.8.(4) of Division B of the Vancouver Building By-law (VBBL) in respect of signals to fire department via a fire alarm signal transmitting unit from the protected premises to the fire signal receiving centre in conformance with CAN/ULC-S561 “Installation and Services for Fire Signal Receiving Centres and Systems”.

Background

Sentence 3.2.4.8.(4) of Division B of the VBBL mandates notification of the fire department, as required by Sentences (1), (2) and (3), shall be provided in conformance with CAN/ULC-S561. Sentence 3.2.4.10.(5) of the VBBL requires a trouble signal indicating the nature of the trouble in accordance with Sentence (3) shall be transmitted to a Fire Signal Receiving Centre conforming to CAN/ULC-S561. CAN/ULC-S524 prescribes that the interconnection wiring from the fire alarm control unit or transponder to the Fire Signal Receiving Centre shall comply with CAN/ULC-S561. The Appendix C of CAN/ULC-S537 contains information with respect to the name of the Fire Signal Receiving Centre to be documented. Bulletin 2000-021-BU/EL clarifies that the fire alarm system verification report must be provided with the Appendix C Form (C1 FIRE ALARM SYSTEM VERIFICATION REPORT - amended for use in the City of Vancouver) that must include the name, location and the ULC certification number for the connected Fire Signal Receiving Centre.

NOTES

ULC Listed alarm companies are included in ULC's Online Directories of Equipment and Materials. <http://database.ul.com/cgi-bin/XYV/template/LISCANADA/1FRAME/index.html>

The current listings under the ULC Certificate Service are:

1. “Fire Protective Signalling Systems, Signal Receiving Centres, Full and Shared Service”. The ULC Category Alphabetic Codes are “DAYIC”.
 - a) Where a listed fire protective signalling system signal receiving centre issues a full service Protective Signalling Service certificate, the listed company is expected to provide the installation, maintenance and signal monitoring service associated with the particular installation.
 - b) Where a listed fire protective signalling system signal receiving centre issues a shared service Shared Fire Protective Signalling Service certificate to a system that has been installed by a listed fire protective signalling system installation company, a contract exists between the two companies to share the installation, maintenance and signal monitoring services associated with the particular installation.

- c) The locations at which fire signal receiving centre companies provide fire protective signalling services are shown in the individual ULC Listings.
2. “[Fire Protective Signalling Systems, Signal Receiving Centres, Full and Shared Service], Fire Protective Signalling Systems, Installation Companies, Shared Service”. The ULC Category Alphabetic Codes are “DAYYC”.
 - a) Where a listed fire signal receiving centre company issues a shared service Shared Fire Protective Signalling Service certificate to a system that has been installed by a listed fire protective signalling service installation company, a contract exists between the two companies to share the installation, maintenance and signal monitoring services associated with the particular installation.
 - a) The locations at which the installation companies maintain service centres are shown in the individual ULC Listings.

REQUIREMENTS

- A. Each fire protective signalling system signal receiving centre company must be listed by ULC.
View DAYIC listing: http://database.ul.com/cgi-bin/XYV/cgifind/LISCANADA/1FRAME/srchres.html?collection=/data3/verity_collections/liscanada&vdkhome=/data3/verity_sw_rev24/common&SORT_BY=textlines:asc,ccnshorttitle:asc&query=DAYIC%3CIN%3ECCN+and+not+GUIDEINFO
- B. Each fire protective signalling system installation company must be listed by ULC.
View DAYYC listing: http://database.ul.com/cgi-bin/XYV/cgifind/LISCANADA/1FRAME/srchres.html?collection=/data3/verity_collections/liscanada&vdkhome=/data3/verity_sw_rev24/common&SORT_BY=textlines:asc,ccnshorttitle:asc&query=DAYYC%3CIN%3ECCN+and+not+GUIDEINFO
- C. The ULC Certificate must be completed for each fire alarm system installation that requires connection to the fire department. This Certificate must be completed as a part of the FAS Verification Report (see Bulletin 2000-021-BU/EL). Sample of ULC Certificates - Fire Protective Signalling Service (Full service to provide monitoring and installation, shared service for monitoring or shared service for installation) are provided on Attachments 1 and 2 to this bulletin.
- D. An electrical contractor must obtain an electrical permit for installation of the fire alarm system monitoring components at the protected premises (i.e. signal transmitting unit, demarcation terminal box, field wiring and communication system components).
- E. In each case where the installation of equipment and communication components between a FAS and the fire signal receiving facility are installed by the ULC listed company for the purpose of CAN/ULC-S561, the proof of qualification must be provided to the district electrical inspector by a FSR of the facility listed under ULC full certificate service (installation &

monitoring) and under ULC shared certificate service (installation), for the purpose of item C above.

(Original signed by)

W. White
MANAGER, TRADES INSPECTION
DEPUTY CITY ELECTRICIAN

(Original signed by)

P. Ryan, M.Sc., P.Eng.
CHIEF BUILDING OFFICIAL
DIRECTOR, BUILDING CODE & POLICY

Attachments 1 and 2

BULLETIN 2000-019-BU/EL (Attachment 1)

Revised August 11, 2015

SIGNALS TO FIRE DEPARTMENT VIA FIRE ALARM SIGNAL TRANSMITTING UNIT FROM PROTECTED PREMISES TO FIRE SIGNAL RECEIVING CENTRE IN CONFORMANCE WITH CAN/ULC-S561



**Underwriters
Laboratories**

Corporate Headquarters
7 Underwriters Road
Toronto, ON M1R 3B4

Certificate Number

PROTECTIVE SIGNALLING SERVICE

This Certifies that the Alarm Company whose name appears below is Listed by Underwriters' Laboratories of Canada (ULC) and is authorized to install and monitor Protective Signalling Fire Alarm Systems in compliance with the requirements in CAN/ULC-S561 for Protective Signalling Systems.

The Alarm Company named on this certificate bears the responsibility for the correctness of the system installation, periodic testing, maintenance and repair as well as the keeping of records respecting these activities.

It is also the responsibility of the Alarm Company to confirm that the equipment used in this installation is ULC Labeled and is suitable for the application. All required service is provided for in the care contract between the Alarm Company and the Occupant.

Underwriters' Laboratories of Canada makes no representations or warranties, expressed or implied, that the alarm system will prevent any loss by fire, smoke, water damage or otherwise, or that the system will in all cases provide the protection for which it is installed or intended. This certificate is evidence that the signalling devices are monitored and maintained by a ULC Listed Monitoring Station and that the service is subject to countercheck field inspections by ULC Representatives. This certificate is to be posted at the Subscriber's site and is valid only with a current maintenance contract.

ULC is not an insurer and does not assume or undertake to discharge any liability of the Alarm Company or any other party for any loss, which may result from failure of the equipment, incorrect installation, non-conformity with requirements, cancellation of this certificate or withdrawal of the Alarm Company from Listing by ULC prior to the expiration date appearing on this certificate.


SAMPLE

LISTED ALARM COMPANY						LOCATION					
TYPE OF SYSTEM Fire Panel	NUMBER OF SIGNAL SWITCHES								LOCAL FIA INTERCONNECTION		
	ROOM TEMP	WATER FLOW	WATER LEVEL	PRESSURE	WATER TEMP	CUT OFF VALVES	PUMP SUP.				
NUMBER OF RISERS	0	0	0	0	0	0	0	0	YES		
TRANSMISSION MODE	Passive		ISSUED: 07/04/2011	EXP. DATE: 07/04/2016		MAXIMUM TERM 5 Years					
SUBSCRIBER						MAINTENANCE					
						SYSTEM SHALL BE EXAMINED AND TESTED AT LEAST ONCE EACH YEAR					
						REPRESENTATIVE			DATE		
									D	M	Y

BULLETIN 2000-019-BU/EL (Attachment 2)

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SIGNALS TO FIRE DEPARTMENT VIA FIRE ALARM SIGNAL TRANSMITTING UNIT FROM PROTECTED PREMISES TO FIRE SIGNAL RECEIVING CENTRE IN CONFORMANCE WITH CAN/ULC-S561



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Certificate Number

SHARED FIRE PROTECTIVE SIGNALLING SERVICE

This Certifies that the Alarm Companies whose names appear below are Listed by Underwriters' Laboratories of Canada (ULC) and are authorized to install, monitor, and maintain Shared Services Protective Signalling Fire Alarm Systems in compliance with the requirements in CAN/ULC-S561 for Protective Signalling Systems.

The assignment of responsibilities as indicated in the following paragraphs shall be set out in a contract between the companies involved.

The Alarm Monitoring Company named on this certificate bears the responsibility for the monitoring of the status of signals generated by the system and for the keeping of records respecting these activities.

The Alarm Installation Company named on this certificate bears the responsibility for the correctness of the system installation, periodic testing, maintenance and repair, as well as the keeping of records respecting these activities.

It is also the responsibility of the Alarm Installation Company to confirm that the equipment used in this installation is ULC Labelled and is suitable for the application. All required service is provided for in the care contract between the Alarm Installation Company and the Occupant.

ULC makes no representations or warranties, expressed or implied, that the alarm system will prevent any loss by fire, smoke, water damage or otherwise, or that the system will in all cases provide the protection for which it is installed or intended. This certificate is evidence that the signalling devices are monitored by a ULC Listed Alarm Monitoring Company and that the installation, maintenance and service is provided by a ULC Listed Alarm Installation Company, which are subject to countercheck field inspections by ULC Representatives. This certificate is to be posted at the Subscriber's site and is valid only with a current maintenance contract.

ULC is not an insurer and does not assume or undertake to discharge any liability of the Alarm Companies or any other party for any loss, which may result from failure of the equipment, incorrect installation, non-conformity with requirements, cancellation of this certificate or withdrawal of the Alarm Company from Listing by ULC prior to the expiration date appearing on this certificate.

SAMPLE

LISTED ALARM COMPANY		LOCATION									
		VANCOUVER BC									
TYPE OF SYSTEM Fire Panel	NUMBER OF SIGNAL SWITCHES										
	ROOM TEMP	WATER FLOW	WATER LEVEL	PRESSURE	WATER TEMP.	CUT OFF VALVES	PUMP SUP.	LOCAL PIA INTERCONNECTION			
NUMBER OF RISERS	0	0	0	0	0	0	0	0	YES		
TRANSMISSION MODE Passive	ISSUED: 27/10/2011				EXPIRES: 27/10/2016			MAXIMUM TERM 5 Years			
LISTED ALARM INSTALLING CO.		LOCATION									
SUBSCRIBER		MAINTENANCE									
		SYSTEM SHALL BE EXAMINED IN ACCORDANCE WITH NFPA-71 AND TESTED AT LEAST ONCE EACH YEAR									
		REPRESENTATIVE							DATE		
									D	M	Y