

UEI-1 Universal End-of-Line / Isolator Tester

Engineer's Specification



Provide and install an ILSTS UEI-1 Universal End-of-Line/Isolator Tester on each notification appliance circuit where Indicated on the drawings. Mount the tester in accordance with the manufacturer's instructions and CAN/ULC-S524 (Standard for Installation of Fire Alarm Systems) in place of the end-of-line resistor plate.

The device shall provide the ability to test current and voltage with the fire alarm system in full alarm. The device shall provide the appropriate means for an open circuit test, a short circuit test, and a ground fault test without having to disassemble or remove the unit (or other fire alarm field device) from the wall-box.

Provide and install an ILSTS UEI-1 Universal End-of-Line/Isolator Tester for each conventionally wired initiating circuit (or zone) of the fire alarm control panel where indicated on the drawings. The manufacturer's instructions and CAN/ULC-S524 (Standard for Installation of Fire Alarm Systems) in place of the end-of-line resistor plate.

The device shall provide the ability to test current and voltage at the end of the circuit (as the last device on the circuit). The device shall provide the appropriate means for an open circuit test, short circuit test, and ground fault test without having to disassemble or remove the unit (or other fire alarm field device) from the wall-box.

Provide and install two (2) ILSTS UEI-1 Universal End-of-Line/Isolator Tester at each suite notification appliance isolator as indicated on the drawings. The units shall be mounted below the isolator, no higher than 1800 mm above the floor in accordance with the manufacturer's instructions and CAN/ULC-S524 (Standard for Installation of Fire Alarm Systems).

The device shall provide the ability to test current and voltage for each isolated suite notification circuit. The isolators shall be tested for operation utilizing the means provided by the UEI-1. An open circuit test will be performed to confirm supervision of all notification appliances mounted in-suite. A short circuit test will be conducted with the fire alarm panel in both supervisory and full alarm operation, and operation of the floor area in-suite sounding appliances shall be confirmed. The Verifier is to provide alarm current readings for each isolated suite and annotate their results on the Individual Device Record sheet of the CAN/ULC-S537 Appendix "C" Report form.

Provide and install an ILSTS UEI-1 Universal End-of-Line/Isolator Tester immediately adjacent to the Data Communication Link (DCL) Isolator entering the floor area as indicated on the drawings. Mount the tester in accordance with the manufacturer's instructions and CAN/ULC-S524 (Standard for Installation of Fire Alarm Systems) no higher than 1800 mm above the ground.

The device shall provide the ability to test current and voltage for each isolated floor area. The device shall provide the appropriate means for an open circuit test, short circuit test, and ground fault test without having to disassemble or remove the unit (or other fire alarm field device) from the wall-box.

Provide and install an ILSTS UEI-1 Universal End-of-Line/Isolator Tester immediately adjacent to the Power Buss / Audio Buss Isolator entering the floor area as indicated on the drawings. Mount the tester in accordance with the manufacturer's instructions and CAN/ULC-S524 (Standard for Installation of Fire Alarm Systems) no higher than 1800 mm above the ground.

The device shall provide the ability to test current and voltage for each isolated floor area. The device shall provide the appropriate means for an open circuit test, short circuit test, and ground fault test without having to disassemble or remove the unit (or other fire alarm field device) from the wall-box.