



## UL Listing Document (ULLD) Program Requirements

### Program participation:

Participation is mandatory for the following categories (CCNs):

- UOJZ • UXWK
- UOXX • UXKV
- UUKL • SYSW
- UOQY • SYZV

### Products that require a ULLD:

All products or systems in the categories listed above need either a separate or shared ULLD. Products that are simple and require very little documentation are an exception to this. Decisions on whether a ULLD is required for a given product will be made in combination with UL.

### Terms and conditions:

Special terms and conditions for Security and Signaling (specifically applying to UL864 products) will supplement the service agreement forms all Applicants have signed. The specific terms and conditions will be available on the UL website.

### The ULLD is comprised of two general elements:

- A summation of all of the information needed to determine the scope of a UL Listing investigation for a given product (i.e. operation programming options, compatibilities, etc.)
- All of the required information needed in the documentation per UL864 and the UL Listing investigation (i.e. ratings resulting from testing, limitations or special instructions per the construction, etc.)

Because the ULLD is a summation of the information necessary for the scope of the UL Listing investigation, required documentation per UL 864 and *limited* to that information, the ULLD will be by definition a subset of the overall product documentation.

### The ULLD is a controlled document as follows:

- The ULLD is completely reviewed by UL when presented to UL for its first edition
- The ULLD is stored as an electronic attachment in the UL files.
- The ULLD has a revision level that must change every time changes are made to the document (the only exception is changes like typographical errors, etc., in which a sub rev change numbering could be used (ex. 1.3.xxx where the xxx is reserved for non technical changes).

### ULLD changes need to be processed as follows:

- A Listing investigation will need to be opened to make changes to the ULLD.
- UL must be presented with the details of all changes made to the ULLD, preferably by red line changes to the old revision level of the document. Other ways to detail change information are acceptable provided they are clear and comprehensive.
- The revision process will be limited to one change iteration. If UL comments result from the first review of the ULLD, changes are to be resubmitted to UL and then verbal agreements will resolve them. A red lined copy with the agreed changes will be stored as the attachment in the file.
- When the details of ULLD changes are provided, UL must be provided with a signed statement that all changes in the ULLD have been itemized for UL.

### The ULLD can be supplied with the product:

- As a document intended to stand alone, specifically identified as the ULLD (UL Listing Document – Model XXX), and shipped with every Listed product.
- As part of other documentation supplied by you that is shipped with all Listed products. If it is integrated as part of other documentation, it will need to be a special section of that documentation and specifically identified as the ULLD (UL Listing Document – Model XXX).

### The ULLD must be accessible to users (AHJs, designers, installers, etc.) in one of two ways:

- It can be publicly accessible (i.e. on the internet, specifically labeled as “UL Listing Document – Model XXX)
- It can be supplied directly to the user community on demand.

### Documentation consistency:

All other documentation for a product must be consistent with the ULLD. NO operations, functions, programming options, compatibilities, etc. can be portrayed in any of the product documentation that is not represented in the ULLD. This will be a contractual agreement in the terms of conditions that are part of the UL Service Agreement.

### Transition:

A ULLD is required for new products, except for simpler products exempt from the program. Applicants with existing products are not required to convert to the new documentation scheme immediately. When changes to the existing product or documentation are made, UL will decide if conversion to the ULLD is necessary. It is advisable to approach UL with expected changes early to determine a ULLD conversion need.



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The ULLD needs to be laid out in a specific format – the basic elements of the ULLD are:

### Installation and Wiring Documents

The information for wiring and installation can be presented in any convenient and comprehensive way. It can be one single wiring diagram, separate diagrams or any combination of these. All terminals, including numbers and types of circuits, along with the specific required information per circuit type as detailed in the ULLD Guide need to be included.

### Operation

Information detailing intended application(s) is in this section. The ULLD Guide attempts to detail most of the possible applications. Operation information can be presented in a format similar to that provided in the guide, or it may be in a different format, as long as the information is comprehensive.

### Functionality

This section addresses the intended function of the product. The list of functions provided in the ULLD Guide is for example only and is not intended to be inclusive. The next section of the template includes “Programming Options.” It is not necessary to cover functionality in both the “Functionality” and “Programming Options” sections. For instance, automatic drift compensation would be covered under Functionality because no programming options are available for that. On the other hand, AC delay might be covered under the “Programming Options” section because the delay time could be selectable. Any functionality information not covered under “Operating Instructions” for normal standby, alarm, alarm test, alarm silence, alarm reset, trouble, trouble silence, off-normal position of switches, and functions of lights and switches needs to be covered here.

### Programming Options

This section addresses ALL of the available programming options for the product. The list of programming options in the ULLD Guide is for example only and is not intended to be inclusive. Where the field-programmable software of a product contains *both* complying and non-complying features or parameters as permitted in 54.1.2, the list shall be included in the front of the programming manual or at the beginning of the program section of the installation manual as shown in the ULLD guide.

### Testing/Maintenance

This section provides a brief description of the system testing and maintenance. The minimal information that needs to be included in this section is provided in the sections listed below. Any testing/maintenance issues not covered under the “Operating Instructions” section need to be included here. Information does not need to be included in both sections.

### Compatibilities

This section addresses other devices that can be connected to form the system to meet the intended application. The list in the ULLD Guide is for example only and is not inclusive.

### System Configurations

This section covers the configurations needed to meet the intended applications. Minimum and optional configurations are to be included here. The list in the ULLD Guide is for example only and is not inclusive.

### System Power/Size

This section covers the primary and secondary system power limitations. It also covers the limitations on maximum capacity for modules, appliances, etc. for addressable devices, modules, subassemblies and network panels. The ULLD Guide provides examples and is not inclusive.

### Operating Instructions

This is a copy of the operating instructions required for control panels that are not intended to have an operator present. The description of the product operation is intended to be a brief summary of the details for an operator. Details beyond the summary need to be in the “Functionality” section. The description of system maintenance procedure is intended to be a brief summary of the maintenance. Details beyond the summary need to be in the “Testing/Maintenance” section.