Fire systems and devices
Product catalogue

Menvier

Complete fire systems for the protection of life and property



Powering Business Worldwide



UL listed fire systems (p43-56)

Underwriters Laboratories Inc. (UL) is an independent product safety certification organisation, established in 1894, to develop standards and test procedures for products, materials, components, assemblies, tools and equipment. Chiefly dealing with product safety it also evaluates and certifies the efficiency of a company's business processes through its magnificent system registration programs.

Since the launch of our UL Listed fire product range, several prestigious projects worldwide have been supplied including Hyatt Resort and Spa, Shangri-la at the Fort and Times Square projects in South East Asia and several major projects in the Middle East including the prestigious Riyadh Financial District in the Kingdom of Saudi Arabia.

The Eaton UL range is designed to provide a solution for all sizes of project, from the simple small stand alone system to the large multi panel networked system with PA/VA and BMS integration.

SIGNALING
UL
LISTED
4AC5
FIRE ALARM
EQUIPMENT



Contents

UL listed fire systems range

Panels

ULDF6000 series panels **45**



Devices

Addressable sensors **47**



Conventional detectors **49**



Horns and strobes **51**



Pull stations **53**



Interfaces **55**



Micro interfaces **56**



SIGNALING
LISTED
4AC5
FIRE ALARM
EQUIPMENT

ULDF6000 series
UL listed control panels



ULDF6000RM (wall mount red metal)



ULDF6000 (wall mount graphite)

The ULDF6000 series panels are UL listed, high specification, wall or rack mounted fire panels. Combining sophisticated functionality with simple operation and aesthetically pleasing design, the panels are available in a number of loop configurations. Each panel is networkable with up to 126 other Eaton UL fire panels.

The control panel has the ability to support complex cause and effect programming. A wide range of user controllable functions make the system ideal for a diverse range of projects, from industrial applications through to large multi-site commercial developments.

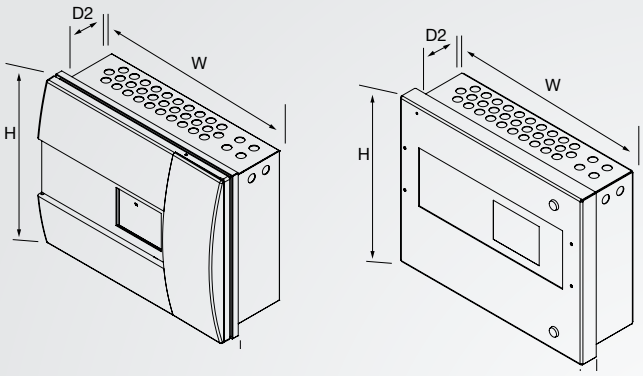
Benefits

- Soft addressing
- Large versatile touchscreen user interface
- Integral printer (optional)
- Integral battery and power supply
- 2 x 12Ah batteries included
- Flexible distributed network capability
- Full range of compatible devices
- 4 notification appliance circuits (NACs) outputs
- 2 or 4 class A style 7 SLC loops
- PAS (Positive Alarm Sequence)

SIGNALING
UL LISTED
4AC5
FIRE ALARM EQUIPMENT

UL intelligent addressable systems
ULDF6000 series

Dimensions



Description	H (mm)	W (mm)	D1 (mm)	D2 (mm)
ULDF6000	397	497	75	130
ULDF6000RM	398	505	48	118





Compatible repeater panels

The ULDF6000 has both a standard and a touchscreen repeater panel available. Ideal for larger sites, the repeater allows you to display the system information from multiple locations.





Features

	ULDF6000PR	ULDTPR6000
Active or passive option	×	✓
No programming required	✓*	✓
Multi language capability	×	✓
Allows networking with other Eaton fire panels	×	✓
Integral power supply	✓	✓
Ingress protection	IP30	IP40

*Except local text information



Catalogue numbers

Description	Code
2 loop panel	ULDF60002G
4 loop panel, integral printer	ULDF60004GP
2 loop panel, network card	ULDF60002GNC
4 loop panel, network card	ULDF60004GNC
4 loop panel, integral printer, network card	ULDF60004GPNC
2 loop panel, integral printer, red metal box	ULDF60002PRM
2 loop panel, network card, red metal box	ULDF60002NCRM
4 loop panel, network card, red metal box	ULDF60004NCRM
Loop connected passive repeater panel	ULDF6000PR
Touchscreen network repeater panel	ULDPTR6000

Sensors

Our UL range has multiple options for intelligent addressable sensors. All sensors are designed for optimum functionality in mid-large sized builds. They are all soft addressed and have integral short circuit isolators.

Addressable sensor base
UCAB300



Typical applications:

Specifically designed for use with all of our UL addressable sensors, the UCAB base will be used in all builds.

Optical smoke sensor
ULMAP320



Typical applications:

Suitable for most applications.

Fastest response to slow burning or smouldering fires which give rise to large visible smoke particles.

Photo-thermal sensor
ULMAPT340



Typical applications:

Responds quickly to fast clean burning fires.

Maintains the advantage of optical sensors when detecting smouldering fires.

Heat sensor
ULMAH330



Typical applications:

Environments where the ambient conditions might cause false alarms with smoke detectors.

Examples include areas with high levels of dust or fumes.



Sensor detail

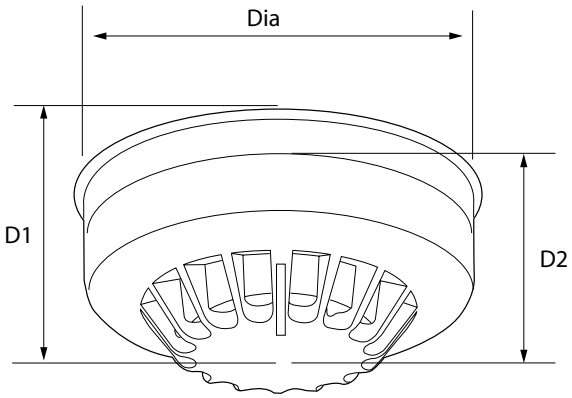


Addressable base detail

Performance

Heat Class	ULMAP320	ULMAPT340	ULMAH330
Heat element rating	N/A	135°F	ROR + Fixed 135°F, Fixed 135°, Fixed 194°F
Heat detector spacing	N/A	50ft (heat alone operation)	50ft
Heat class	N/A	A2S	A2R

Dimensions



Description	Diameter (mm) (incl base)	Depth (mm) (excl base)	Depth (mm) (incl base)
Optical	104	33	45
Photo-thermal	104	43	55
Heat	104	43	55



Features

	ULMAP320	ULMAPT340	ULMAH330
Ingress protection	IP30	IP30	IP30

Catalogue numbers

Description	Code
ULMAP320 Optical smoke sensor	400005FIRE-0014X
ULMAPT340 Photo-thermal sensor	400006FIRE-0015X
ULMAH330 Heat sensor	400007FIRE-0016X
Addressable sensor base	UCAB300
Addressable sounder base	ULCAS380

Detectors

Our UL range has multiple options for conventional detectors. All detectors have a removable detector chamber and drift compensation. The range of detectors for different applications allow for all build requirements to be met.

As there is no UL certified conventional panel a ULMIU872 micro interface (p56) is required in conjunction with a UL intelligent addressable panel to use conventional detectors.

Optical smoke detector
UCPD-2W



Typical applications:

Suitable for most applications.

Fastest response to slow burning or smouldering fires which give rise to large visible smoke particles.

Photo-thermal detector
UCPT-2W



Typical applications:

Responds quickly to fast clean burning fires.

Maintains the advantage of optical sensors when detecting smouldering fires.

Fixed heat detector (135°F)
UCHT-2W



Typical applications:

Environments where the ambient conditions might cause false alarms with smoke detectors.

Examples include areas with high levels of dust or fumes.

Performance

Heat class	UCPD-2W	UCPT-2W	UCHT-2W
Heat element rating	N/A	135°F	135°F
Heat detector spacing	N/A	50ft (heat alone operation)	50ft
Mounting position	Ceiling in open areas	Ceiling in open areas	Ceiling in open areas

Features

	UCPD-2W	UCPT-2W	UCHT-2W
Ingress protection	IP40	IP40	IP40

SIGNALING UL LISTED



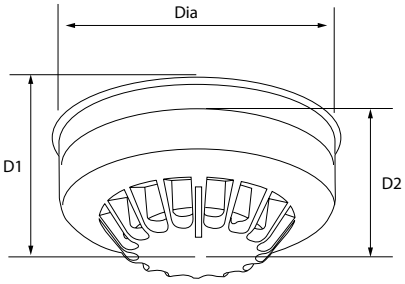
Conventional detector base
CB2E



Typical applications:

The CB2E has been specifically designed for compatibility with our UL range of conventional detectors. It can be be used in all builds with conventional detectors.

Dimensions



Description	Diameter (mm) (incl base)	Depth (mm) (incl base)	Depth (mm) (excl base)
Optical	104	45	33
Photo-thermal	104	55	43
Heat	104	55	43

Catalogue numbers

Description	Code
2 wire detector, optical	UCPD-2W
2 wire detector, opto-heat	UCPT-2W
2 wire detector, fixed heat 135°f	UCHT-2W
Standard detector base	CB2E

Horns and strobes

Our UL range incorporates a variety of audio and visual notification devices. Each device has up to 48% savings in current draw compared to similar products. The whole range is easy to install and has voltage test points for quick troubleshooting and easy spot checking, saving time on both installation and maintenance.

Wall mount horn
HNR



Typical applications:

The horns are ideal for retrofit jobs, limited space environments and pre-existing wire configurations.

Ceiling mount horn
HNWC



Typical applications:

The horns are ideal for retrofit jobs, limited space environments and pre-existing wire configurations.

Wall mount horn strobe/synchronised strobe
HSR/STR



Typical applications:

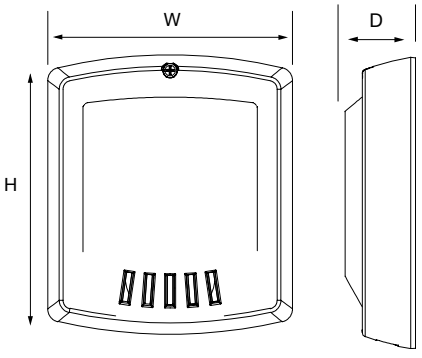
With the range of settings for both audio and visual purposes, these products are effectively 9 models in 1 appliance. With this functionality, and both ceiling and wall mount options available, it will meet almost any build requirements.

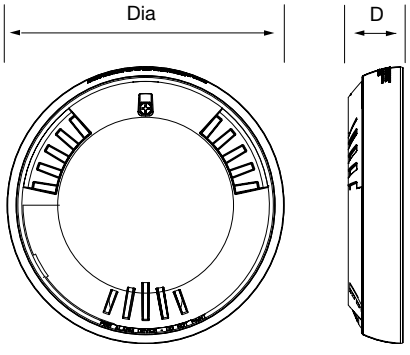
The synchronised option enhances both the sound and light output by keeping the outputs of multiple devices in sync.

Ceiling mount horn strobe/synchronised strobe
HSWC/STWC



Dimensions





Description	H (mm)	W (mm)	D (mm)
Wall mount horn HNR	133	116	56
Wall mount horn strobe/synchronised strobe HSR/STR	131	131	110

Description	Diameter (mm)	Depth (mm)
Ceiling mount horn HNWC	166	34
Ceiling mount horn/ synchronised strobe HSWC	166	34

SIGNALING UL LISTED

UL intelligent addressable systems

Devices - horns and strobes



Wall mount outdoor synchronised strobe
RSSWP-2475W-FR



Ceiling mount outdoor synchronised strobe
RSSWP-2475C-FW

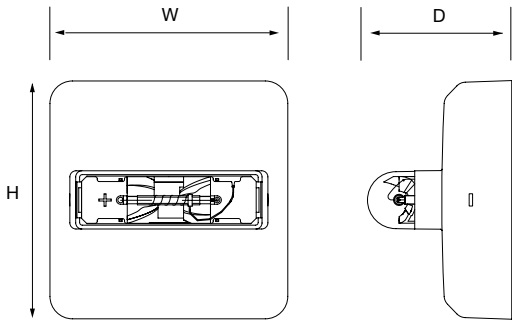


Typical applications:

The outdoor synchronised strobes are UL certified to meet adverse weather conditions. They are perfect for builds where outdoor indication is required.

These units use a universal, common mounting base making them ideal for retrofit jobs, limited space environments and pre-existing wire configurations.

Dimensions



Description	H (mm)	W (mm)	D (mm)
RSSWP*	131	131	110

*Both wall mount and ceiling mount variants

Catalogue Numbers

Description	Code
HNR Wall mount horn	HNR
HNWC Ceiling mount horn	CN128972
HSR Wall mount horn strobe	HSR
HSWC Ceiling mount horn strobe	CN127464
STR Wall mount synchronised strobe	STR
STWC Ceiling mounted synchronised strobe	CN127488
RSSWP-2475W-FR Wall mount outdoor synchronised strobe	CN129013
RSSWP-2475C-FW Ceiling mount outdoor synchronised strobe	CN124446
WPSBB -R Exposed conduit, surface mount back box (RED)	CN109751
WPSBB-R + WP-KIT Concealed conduit surface mount back box (RED)	CN109751 + CN104486

Pull stations

The addressable pull stations are constructed of high quality, die cast metal for long lasting performance. The range consists of the UL listed MPS range of pull stations and the UL listed fast response input initiating module (ULMCIM-C).

Single action addressable pull station
UMPS-100/ UMPS-100WP



Typical applications:

Indoor/weatherproof pull station for use with addressable systems (UMPS-100/UMPS-100WP).

A dual action model is also available (UMPS-200, not shown), where the push bar rotates inward allowing the pull handle to be grasped in a one handed motion.

Single action conventional pull station
SG42BK2



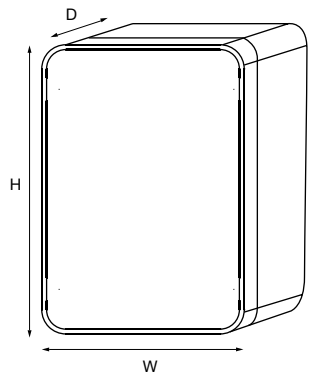
Typical applications:

Cost effective conventional version of the single action pull station, must be used in conjunction with ULMIU872.
Back box ordered seperately.



Pull station detail

Dimensions



H (mm)	W (mm)	D (mm)
118	80	80

Catalogue numbers

Description	Code
Single action pull station, supplied with back box (addressable)	UMPS-100
Weatherpoof single action pull station	UMPS-100WP
Double action pull station	UMPS-200
Weatherproof double action pull station	UMPS-200WP
ULMIU872 Micro zone monitor unit	400025FIRE-0053X
ULMCIM-C micro single channel input unit (call point)	400014FIRE-0056X
Conventional single action pull station (back box ordered seperately)	SG42BK2
Conventional double action pull station (back box ordered seperately)	SG42BK1
Indoor Back box for conventional, surface mounting	SGB32S
Weatherproof Back box for conventional, weatherproof	SGB-32C

SIGNALING UL LISTED



Interfaces

We supply an extensive range of interfaces to support our UL control panels. Interfaces allow for a wide variety of installations to be simplified without the use of specialist or customised equipment. For assistance deciding which interfaces will benefit you the most, contact our technical support team; **firetechsupport@eaton.com**

4 Way Sounder Controller Unit
ULCSC354



Typical applications:

The unit connects 4 lines of conventional output devices on a single address to an addressable panel. Ideal for when specialist devices with a high current draw are required, such as Eaton's UL ceiling and wall horns/strobes. Or where conventional sounder circuits are in a remote location away from the fire alarm control panel.

Shop monitor unit
ULCSUM355



Typical applications:

The shop monitor unit is designed to allow small units with conventional fire systems to be fully integrated with a main intelligent addressable fire system.

It is ideal for connecting individual shop units into a main shopping centre system.

Spur isolator unit
ULCSI350



Typical applications:

The spur isolator unit enables a spur of intelligent addressable devices to be connected to a main analogue loop. This simplifies the installation of remote parts of buildings or system extensions.

3 channel I/O unit
ULCIO351



Typical applications:

The 3 channel input/output unit enables simple interfacing between the fire system and other equipment such as nurse call systems or access control systems. The inputs are fully monitored for open and short circuits.

230V ac relay unit
ULCMIO353



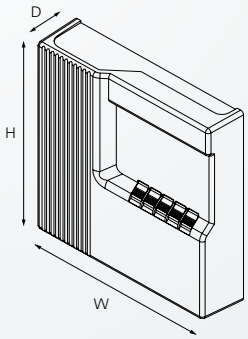
Typical applications:

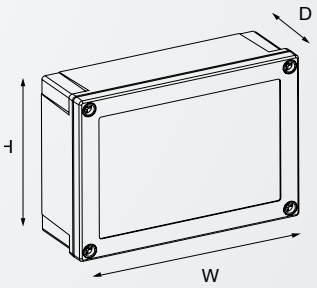
Enables simple interfacing between the fire system and other equipment such as nurse call systems or access control systems.

The ability of the output unit to switch mains also makes the unit ideal for plant control or mains powered door holders.

The input is monitored for open and short circuits so can be used for fire input applications such as monitoring sprinkler flow switches.

Dimensions





Description	H (mm)	W (mm)	D (mm)
Interface units	129	180	60
4 way sounder controller unit	300	300	74

Features

	ULCSC354	ULCSUM355 /ULCSI350/ ULCIO351/ULCMIO353
Ingress protection	IP30	IP40

SIGNALING UL LISTED

Micro interfaces

Whilst our standard UL interfaces are designed to be installed in the position required on the loop, our range of micro interfaces can sit within a panels' enclosure.

Micro single channel output units
ULMCOM/ULMCOM-S



Typical applications:

The Micro Single Channel Output Unit (ULMCOM) is suitable for switching low voltage (24V dc at 1A maximum), via a set of non latching relay contacts.

It is also suitable for switching HVAC control circuits, plant shutdown control circuits, fire door closure etc.

The ULMCOM-S is identified by the panel as a sounder.

Micro single channel input units
ULMCIM/ULMCIM-C



Typical applications:

The Micro Single Channel Input Unit (ULMCIM) is suitable for monitoring a set of normally open, volt free contacts such as sprinkler system flow switches and auxiliary panel fire/fault signals. Other examples include non-fire input signals such as flow valve open contacts, generator start up, fire door closed etc.

The ULMCIM-C is identified by the panel as a call point and is designed for use with pull stations.

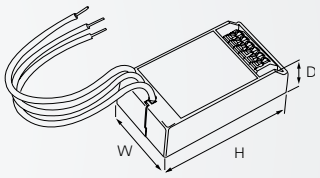
Micro zone monitor unit
ULMIU872



Typical applications:

The Micro Zone Monitor Unit (ULMIU872) is suitable for monitoring a zone of up to 20 UL approved conventional detectors.

Dimensions



H (mm)	W (mm)	D (mm)
65	35	18.5

We offer an enclosure for our micro interfaces, **see p36.**

Features

	ULMCOM/ ULMCOM-S	ULMCIM/ ULMCIM-C	ULMIU872	ULMIU872	ULBU
Ingress protection	IP40	IP40	IP40	IP40	IP40

Catalogue numbers

Description	Code
4 - Way sounder controller unit	ULCSC354
Shop monitor unit	ULCSUM355
Spur isolator unit	ULCSI350
3 Channel input/output unit resets on reset	ULCIO351
120V/230V ac relay unit	ULCMIO353
ULMIU872 Micro zone monitor unit	400025FIRE-0053X
ULMCOM Micro single channel output unit (recognised as output unit)	400015FIRE-0059X

Description	Code
ULMCOM-S Micro single channel output unit (recognised as sounder)	400016FIRE-0062X
ULMCIM Micro single channel input unit (recognised as input unit)	400013FIRE-0050X
ULMCIM-C Micro single channel input unit (recognised as callpoint)	400014FIRE-0056X
Mini module box unit (empty box)	ULBU

SIGNALING UL LISTED

