



Esmi Ultima

Oferta SDAI - Overview

ESMI ULTIMA UL

- Esteticamente agradável
- Grande quantidade de Loops
- IHM Touch Screen



Best-in Class

2- 16 Loop System

Improved Performance

127 Painéis podem ser conectados em rede

Certificação

UL & FM Approved





Esmi ULTIMA panel Introdução

Product Overview – Control Panel & Repeater Panel

Control Panel



- UL Listed (10ª Edição) e FM Approval
- 2 a 8 loop OU 2 a 16 loop
- IHM 7 polegadas, colorida, touch screen com interface intuitiva
- Programável via USB ou PC
- 5000 causa e efeito programáveis
- Até 10 000 eventos, 1s resolution. Filterable and printable

Repeater Panel



- IHM 7 polegadas (800 x 480 pixel) interface colorida, touch screen
- Replica as informações mostradas no Control Panel
- Ajuste automático do brilho
- Buzzer interno

ESMI ULTIMA

FIRE PANEL

Ecostruxure™
Innovation At Every Level

Best-in class

2-16 Loop System, Touch Screen

Escalável

127 Painéis podem ser conectados em rede

Compact & Simple

Fácil de Instalar, simples de configurar, sem dongle

Compliance

UL (10ª Edição) & FM Approved



Reliable & Compliance

ESMI ULTIMA

Detectors & Devices

Reliable Architecture

Deteciores de Fumaça, Calor e Multi-Criterio com Base Isoladora

Construção robusta

Acionador Manual com estrutura de metal

Flexibility

Diferentes tipos de módulos Sonoros e Strobe

Compliance

UL (6th Edition) & FM Approved

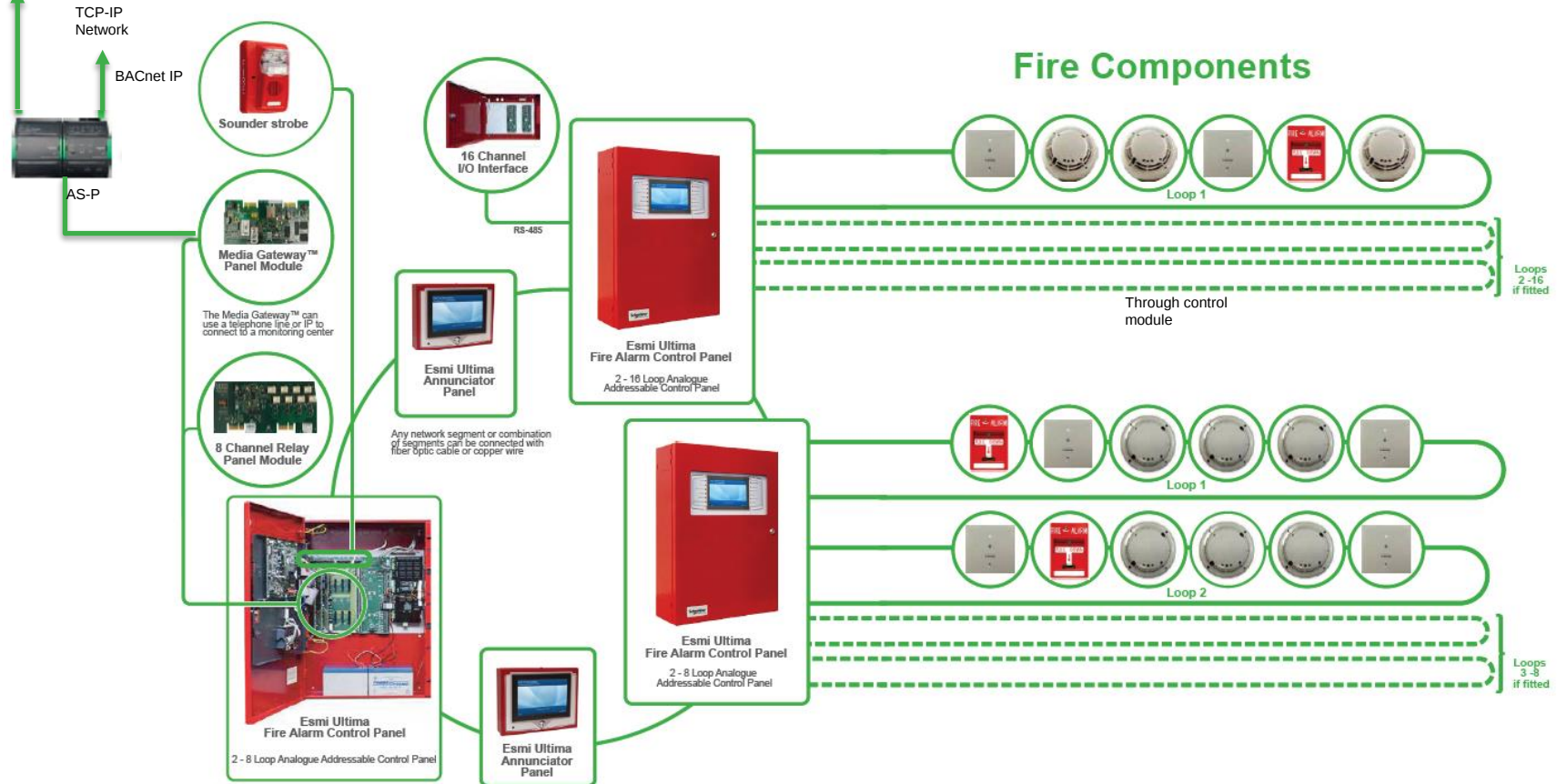


Range & Flexibility

BMS Integration

Ecostruxure
Building
Operation

- 126 Detectores, Modulos
- 127 Painéis em rede



Why choose Schneider

Management

Layout UI

Interface



Web Browser
Enabled

Interactive & smart

3D Graphics Interface

Easy Access

Schneider offers Fire Management not just Fire Detection

Esmi Ultima Analogue Addressable Fire Alarm Panel



2 to 8 Loop (4 slot) Enclosure

- Size: 420 x 590 x 153 mm
- Battery capacity: Up to 28 Ah
- 240V

Order code: FFSULH1001 (240V)

2 to 16 Loop (8 slot) Enclosure

- Size: 540 x 720 x 212 mm
- Battery capacity: Up to 28 Ah
- Autosense 120V or 240V

Order code: FFSULH1002

- **Event log:** Up to 10 000 events, 1s resolution. Filterable and printable.
- **Display:** Full colour 800 x 480 LCD display with touch screen and automatic backlight dimming
- **Networking:** Up to 127 fire panels
- **Loops:** 2-16 detection loops with 127 address per loop

Esmi Ultima Addressable Annunciator Panel (Red)

Order code: FFSULH1005



- Replicates information displayed at FACP
- Possibility to functions as fire control panel replicate or display
- Full colour (800-480px) display
- Internal buzzer
- Application-flexible

Optional panel peripherals

Media Gateway Panel Module UL



- Provides connectivity to monitoring centers using IP (Sur-Gard) connectivity

Order code: FFSULH1007



8 Channel Relay Panel Module UL

- Module has 8 voltage-free changeover relay contacts. Used in applications of more than 5 standard relay outputs

Order code: FFSULH1008



Network Module UL

- Provides network to fire panels and annunciators

Order code: FFSULH1009



Esmi Ultima Loop Card UL

- Monitors Esmi Ultima Fire Alarm Panels loop device and panel processor status. Holds device configuration and operates in a standalone manner during failures

Order code: FFSULH1004



16 Channel I/O Interface Card with Enclosure (RED) UL

- Provides additional input and output capabilities to the Fire Alarm Panel.

Order code: FFSULH1010

UL Fire Components

Different components



Smoke, heat and multi detectors with bases



Wall mounted sounder horns



Manual Pull Station



Addressable Control and Relay modules



Esmi Addressable Smoke Detector UL

Order code: FFSULH2001



Standard Features

- Low profile - only 5cm high, including base
- Simple and reliable device addressing
- Automatic compensation for sensor contamination
- Built-in fire test feature
- Uses the noise-immune Digital Communication Protocol (DCP), which utilizes interrupts for fast response to fires
- Two built-in power/alarm LEDs
- Programmable non-polling LEDs
- Non-directional smoke chamber
- Vandal resistant security locking feature

Technical Data

- Operating Voltage 24 - 41 VDC
- Standby Current 450 μ A
- Alarm Current 540 μ A
- Transmission Method DCP - Digital Communication Protocol
- Maximum Humidity 95% RH Non-Condensing
- Ambient Operating Temperature (0°C to 49°C)
- Sensitivity Range 0.7-4.0%/FT@300FPM
- Duct Application - 0.7-3.86%/FT@2000FPM
- Duct Application - 0.7-2.65%/FT@4000FPM
- Air Velocity Range 0-4000 fpm
- Color & Case Material Bone - ABS Blend
- Weight 96g
- Base HDA08



Esmi Addressable Heat Detector UL

Order code: FFSULH2002



Standard Features

- Low profile - only 5 cm high, including base
- Simple and reliable device addressing method
- Uses the noise immune Digital Communication Protocol (DCP), which utilizes interrupts for fast response to fires
- Rate of rise temperature threshold = $-9.4^{\circ}\text{C}/\text{Min}$ (determined by panel)
- Adjustable threshold temperature = 57°C - 87°C (determined by panel)
- UL maximum spacing of 21.3 meters.

Technical Data

- Operating Voltage 24 - 41 VDC
- Standby Current $350\mu\text{A}$
- Alarm Current $500\mu\text{A}$
- Transmission Method DCP - Digital Communication Protocol
- Rate of Rise $15^{\circ}\text{F}/\text{Min.}$ ($8.3^{\circ}\text{C}/\text{Min.}$)
- UL Temperature Range (57.2°C to 87.8°C)
- Operating Temperature Range (-10°C to 50°C)
- UL Maximum Spacing 70 feet
- Maximum Humidity 95% RH Non-Condensing
- Color & Case Material Bone - ABS blend
- Weight 96g
- Base HDA08



Esmi Addressable Multi Detector UL

Order code: FFSULH2003



Standard Features

- Low profile - only 5 cm high, including base
- Simple and reliable device addressing
- Automatic compensation for sensor contamination
- Built-in fire test feature
- Uses the noise-immune Digital Communication Protocol (DCP), which utilizes interrupts for fast response to fires
- Two built-in power/alarm LEDs
- Programmable non-polling LEDs
- Non-directional smoke chamber
- Vandal resistant security locking feature

Technical Data

- Operating Voltage 24-41 VDC
- Standby Current 450 μ A
- Alarm Current 540 μ A
- Transmission Method DCP - Digital Communication Protocol
- Maximum Humidity 93% RH Non-Condensing
- UL Temperature Range (57° C to 65° C)
- Operating Temperature Range (-10°C to 50°C)
- Sensitivity Range 0.7-4.0%/FT@300FPM
- 0.7-3.86%/FT@2000FPM
- 0.7-2.65%/FT@4000FPM
- Air Velocity Range 0-4000 fpm
- Color & Case Material Bone - ABS Blend
- Weight 120g
- Dimensions 9.90cm D x 4.57cm H
- Base HDA08



Esmi Addressable Detector Base UL

Order code: FFSULH2004



The Esmi Addressable Detector Base is designed specially for use with smoke detector FFSULH2001, heat detector FFSULH2002 and multi detector FFSULH2003.

The base is lightweight and very thin, providing a low profile once installed. The solder-less screw terminals enable quick and easy wiring connections

Standard Features

- UL & ULC Listed
- Designed for use with all NS analogue sensors
- Available in 10.16cm model
- Contains a security locking tab for tamper protection

Esmi Addressable Manual Pull Station UL

Order code: FFSULH2005



The Esmi Addressable Manual Pull station UL provide a fast and practical means of manually initiating a fire alarm signal. An alarm condition is actuated by pulling down on the handle of the Esmi Addressable Manual Pull station UL.

Standard Features

- Addressable integrated design
- All metal construction
- Single action model available
- Extremely easy to operate
- Bi-colored status LED indicates Standby and Alarm conditions
- Address is programmable in EEPROM
- Address can be programmed when installed
- Key lock or hex key lock models available
- Enclosed switch with glass rod (included)
- Terminals accept up to 14AWG wire
- Surface mount back box available
- ADA compliant (except LP models)

Technical Data

- Operating Voltage (SLC) 17~41 VDC
- Average Current Consumption 550uA (Typical) or 660uA (Alarm)
- Ambient Temperature (0 °C) - (49°C)
- Maximum Humidity 90% RH, non-condensing
- Dimensions 8.63cm W x 12.20cm H x 5.08cm D
- Mounting Single gang or 10.16cm square electrical box

Addressable Dual Relay Module UL

Order code: FFSULH2006



The Dual Relay Modules have been designed to provide flexible and quick response to emergency conditions. The Dual Relay Module allows independent control of two form contacts for a variety of normally open and normally closed contact applications such as fan operation, elevator recall, door closure, and auxiliary notification.

Standard features

- Provides two independently configurable Form C contacts per address
- Contacts are rated as follow:
 - R2ML: 2A @ 30 VDC / 0.5A @ 120 VAC
- Up to 127 devices can be used on each loop
- Visible Bi-colored LED is software controlled and can be programmed to blink red or green when polled. The LED can be latched on when activated
- Programming is highly flexible providing 16 priority states plus zoning capability
- Operates on Class A or Class B loop
- UL 864 Listed

Esmi Short Circuit Isolator UL

Order code: FFSULH2008

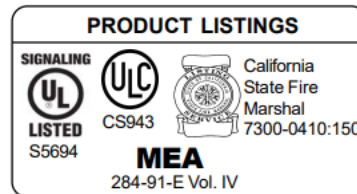


Standard Features

- Can be placed at any location on loop
- Checks the line for short circuit at power up. If the line is normal, the relay will be returned on. If a line short is detected, the relay remains open
- Indication of a single short circuit by a yellow LED

Technical Data

- Absolute Maximum Applied Voltage: S, SC: 41 VDC
- Supply Voltage Nominal: S, SC: 33 VDC
- Normal Current Consumption: 270 μ A (Typical)
- Active Current Consumption: 10 mA (Short Circuit Condition)
- Dimensions: 10.66cm W x 11.93cm H x 3.55cm D
- Weight: 40g
- Visual Indicator (Yellow Status LED):
 - No indication in normal condition
 - On steady in active (short) condition
- Maximum Quantity Per Loop: 127
- Operation Temperature Range: 0°C - 49°C Non-condensing
- Allowable Ambient Humidity: 90% Non-condensing



Esmi Short Circuit Isolator Base UL

Order code: FFSULH2009

The Esmi Short Circuit Isolator Base UL is a common mounting bases allowing for complete compatibility for all the Schneider Analog detectors. The solder-less screw terminals enable quick and easy wiring connections



Standard Features

- Ability to detect short circuit conditions
- Designed for use with all DCP analogue sensor.
- Built-in LED indication upon short circuit condition
- Contains a security locking tab for tamper protection

Technical Data

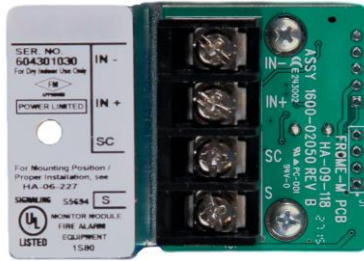
- Operating Voltage 17 - 41 VDC
- Current Consumption Normal: 160µA
- Active: 10mA
- Security Feature Plastic Tamper-lock
- Color & Material Bone PC / ABS Blend
- Size: 10.16 cm



Esmi Addressable Contact Monitoring Module UL

Order code: FFSULH2007

The Esmi Addressable Contact Monitoring Modules UL are designed to be used with pull stations, water flow switches, and other applications requiring the monitoring of dry contact devices.



Standard Features

- UL 864 9th Edition Listed
- Single input contact monitor
- Fast, reliable contact monitoring utilizing the Digital Communications Protocol
- 127 devices can be used per DCP loop
- Can be programmed to monitor Normally Open (NO) or Normally Closed (NC) contacts
- Operates on Class A or Class B loop
- Accepts up to 14 AWG wire

Technical Data

- Supply Voltage 25.3 ~ 39 VDC
- Average Current 339 μ A (Typical)
- Consumption 358 μ A (Alarm)
- Programmable Input 1 Monitoring Inputs
- EOL Device 10K Ohms Resistor
- Max. Quantity Per Loop 127
- Dimensions 4.44cm W x 6cm H x 1.27cm D
- Operating Temperature (0°C) - (49°C)
- Mounting 5cm electrical box
- Relative Humidity 90% RH Non-Condensing

Needs for programming special cable;
FSSULH2103 Esmi Programming Cable W/CROC Clip UL



Conventional Mini Sounder UL (red)

Order code: FFSULH2010



Standard Features

- Nominal voltage 12VDC and 24VDC
- Jumper for Selectable Temporal 3 or Continuous tone
- Horn Frequency of 3100Hz
- Input terminals supports 12 to 18 gauge wire
- Low Current Consumption

Technical Data

Horn Mode	Minimum dBA @ 10ft./3m,per UL 464 @ 24V	Minimum dBA @ 10ft./3m,per UL 464 12V
Temporal 3	81	78
Continuous	86	83



- UL 464 Listed - S3597
- CSFM Listed - 7135-0410:0190

Product Compliance
• NFPA 72

Conventional Sounder UL

Order code: FFSULH2011



Standard Features

- Low Profile horn that offers dependable audible alarms and the lowest current available
- Synchable temporal 3 in 2400Hz and mechanical tone, a chime and whoop tone

Technical Data

- Dimensions 12.7cm H x 11.43cm W x 6.35cm D
- Lower installation and operating costs
- Input terminals supports 12 to 18 gauge wire
- Switch for continuous or temporal 3 (not available on whoop tone)
- Surface mount with the mount box
- Reverberant dBA @ 3m, per UL 464: 62-82
- In Anechoic Room dBA @ 3m: 100



- UL 464 & UL 1971 Listed - S8369
- CSFM Listed - 7135-0410:0187, 7135-0410:0188

Product Compliance

- NFPA 72
- Americans with Disabilities Act (ADA)

Conventional Sounder Cum Strobe UL

Order code: FFSULH2012



Standard Features

- Low profile strobe and horn/strobe combination that offers dependable audible and visual alarms and the lowest current available
- Fixed candela options of 15/75 and 177
- Synchronize strobe and/or horn with Control Module
- Prewire entire system, then install signals
- Lower installation and operating costs
- Switch selection for high or low dBA
- Switch for chime, whoop, mechanical and 2400Hz tone
- Silence horn while strobes remain flashing
- Tamperproof re-entrant grill

Technical Data

- Unit Dimensions: 12.7cm H x 11.43cm W x 6.35cm D
- Input terminals supports 12 to 18 gauge wire
- Switch for continuous or temporal 3 (not available on whoop tone)
- Surface mount with the mounting box

HES-24 & HEC-24 Product Horn Current Ratings

Horn Mode	Minimum dBA @ 10ft./3m,per UL 464 (HIGH)	Minimum dBA @ 10ft./3m,per UL 464 (LOW)	Regulated 24VDC Max. Operating @ High Setting (mA)
Temp 3 2400Hz	78	71*	28
Temp 3 Mechanical	76	70*	25
Temp 3 Chime	70*	66*	15
Continuous 2400Hz	81	74*	28
Continuous Mechanical	80	72*	25
Continuous Chime	70*	66*	15
Whoop	82	69*	56



- UL 464 & UL 1971 Listed - S3597
- CSFM Listed - 7135-0410:0187, 7135-0410:0189

Product Compliance

- NFPA 72
- Americans with Disabilities Act (ADA)

Esmi Hand Held Programmer UL

Order code: FFSULH2101



Esmi Hand Held programmer is designed to give address to all Esmi Ultima Fire System addressable devices;

- Detectors
- Modules
- Manual pull stations

The programmer is light and easy to use, one PP3/9 VDC battery type has capacity to 8000 operations. It can also display detectors analogue value.

Weight (g): 140 (Including Battery)

Dimensions (mm): 160 L x 30 D x 9 W

Available two separate programming cables for special products

- FSSULH2102 Esmi Programming Cable W/4 Pin Connector UL
 - For Modules, Manual pull station
- FSSULH2104 Esmi Programming Cable W/Flying leads UL
 - For Addressable Contact Monitoring Module

Life Is On



Schneider
Electric