

# ULCF3000 range - UL intelligent addressable control panels



ULCF3000RM (wall mount red metal)

ULCF3000 (wall mount graphite)



An extensive range of interfaces are available to support the Eaton range of control panels, providing solutions for most design requirements. The Eaton ULCF3000 is a high specification intelligent addressable, wall or rack mounted, UL Listed control panel available in various loop configurations. It combines sophisticated functionality with simple operation and aesthetically pleasing design.

The control panel has the ability to support complex cause and effect programming (via site installer) and a wide range of user controllable functions that make the panel ideal for a diverse range of projects from industrial applications through to large multi site commercial developments.

The ULCF3000 uses soft addressing to minimise installation time and remove the potential for error associated with manual addressing. It can operate as a stand alone panel or as part of a networked system, and has powerful programming options that allow configurable control over whether messages from specific panels are transmitted around the network or remain local.

## Features and Benefits

- Large versatile touch-screen user interface
- 2 or 4 Class A Style 7 SLC loops
- Event history buffer (9,999 events) with date/time stamp
- 4 Notification appliance circuit (NAC's) outputs
- Dedicated alarm, trouble, AC trouble relays
- Integral short circuit isolators
- Up to 200 addresses per loop
- Full network capability up to 126 panels
- Supports a comprehensive range of soft addressing modules and devices for greater flexibility in design
- Menu driven graphical user interface for ease of operation
- Reduced commissioning time through soft addressing and auto learn functions
- Programming and trouble shooting time minimised by using a range of features such as auto config, walk test, system details menus

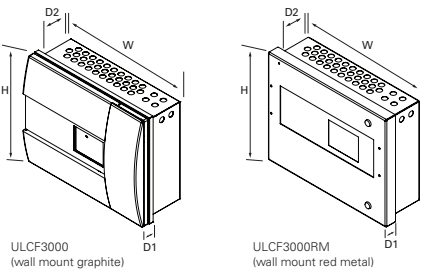


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Key Technical Specifications

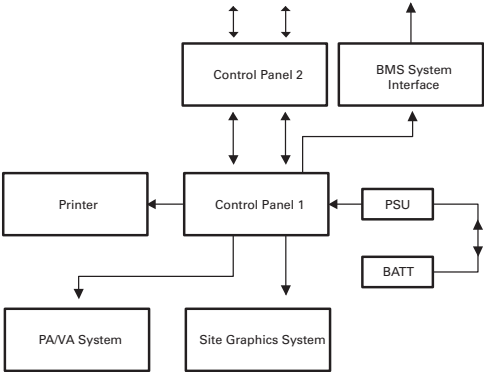
| Code                                                                                                                      | ULCF3000 / ULCF3000RM                                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description                                                                                                               | UL intelligent addressable control panel                                                                                                                                                                                                        |
| Standards                                                                                                                 | UL 864 9th edition                                                                                                                                                                                                                              |
| Primary operating supply                                                                                                  | 120V ac / 240V ac, 50Hz, 2.0A supervised                                                                                                                                                                                                        |
| Secondary operating supply                                                                                                |                                                                                                                                                                                                                                                 |
| Battery voltage                                                                                                           | 24V dc                                                                                                                                                                                                                                          |
| Battery charge current                                                                                                    | 1.0A (max)                                                                                                                                                                                                                                      |
| Battery derating factor                                                                                                   | 0.1                                                                                                                                                                                                                                             |
| Battery capacity supervised                                                                                               | 12Ah (max)                                                                                                                                                                                                                                      |
| Notification appliance circuits Class B, Style Y, Sounder Group 1, Sounder 1, Sounder Group 1, Sounder 2, Sounder Group 2 |                                                                                                                                                                                                                                                 |
| Output voltage                                                                                                            | 24V dc                                                                                                                                                                                                                                          |
| Output current                                                                                                            | 0.75A (max)                                                                                                                                                                                                                                     |
| Line impedance                                                                                                            | 50Ω<br>When powered by 240V ac, the maximum current of 3.0A is shared between these circuits<br>When powered by 120V ac, the maximum current of 2.25A is shared between these circuits<br>Circuits are supervised, power limited and regulated. |
| Notification appliance circuits Class B, Style Y, SYNC MODULE. NAC1, NAC2                                                 |                                                                                                                                                                                                                                                 |
| Output voltage                                                                                                            | 24V dc                                                                                                                                                                                                                                          |
| Output current                                                                                                            | 0.5A (max)                                                                                                                                                                                                                                      |
| Line impedance                                                                                                            | 50Ω (max)<br>The maximum current of 0.5A is shared between these circuits<br>Circuits are supervised, power limited and regulated.                                                                                                              |
| Alarm, trouble contacts. Relay expansion                                                                                  |                                                                                                                                                                                                                                                 |
| Unity power factor                                                                                                        | 30V dc<br>For connection to power limited sources only                                                                                                                                                                                          |
| Aux relay (AC Trouble) contacts                                                                                           |                                                                                                                                                                                                                                                 |
| Unity power factor                                                                                                        | 30V dc, 1A<br>For connection to power limited sources only                                                                                                                                                                                      |
| Signaling line circuit Style [7] Class [A] – (Addressable Loop)                                                           |                                                                                                                                                                                                                                                 |
| Rated voltage                                                                                                             | 24V dc                                                                                                                                                                                                                                          |
| Maximum current                                                                                                           | 500mA                                                                                                                                                                                                                                           |
| Line impedance                                                                                                            | 50Ω (max)<br>Supervised, power limited                                                                                                                                                                                                          |
| Network SLC                                                                                                               |                                                                                                                                                                                                                                                 |
| Voltage                                                                                                                   | 5V dc                                                                                                                                                                                                                                           |
| Current                                                                                                                   | 100mA (max)                                                                                                                                                                                                                                     |
| Line impedance                                                                                                            | 50Ω (max)<br>Power limited<br>Limited to same enclosure installations                                                                                                                                                                           |
| Physical                                                                                                                  |                                                                                                                                                                                                                                                 |
| IP Rating                                                                                                                 | IP30                                                                                                                                                                                                                                            |
| Compatibility                                                                                                             |                                                                                                                                                                                                                                                 |
| Suitable for use with                                                                                                     | Eaton UL fire systems                                                                                                                                                                                                                           |

Dimensions



| Description | H (mm) | W (mm) | D1 (mm) | D2 (mm) |
|-------------|--------|--------|---------|---------|
| ULCF3000    | 397    | 497    | 75      | 130     |
| ULCF3000RM  | 398    | 505    | 48      | 118     |

System block diagram



Eaton order codes

| Description                                                           | Model reference | Order code      |
|-----------------------------------------------------------------------|-----------------|-----------------|
| ADDRESSABLE 2 LOOP CONTROL PANEL                                      | ULCF3000        | ULCF30002G      |
| ADDRESSABLE 2 LOOP CONTROL PANEL c/w Net Card                         | ULCF3000        | ULCF30002GNC    |
| ADDRESSABLE 2 LOOP CONTROL PANEL c/w Net Card, Red Metal              | ULCF3000        | ULCF30002NCRM   |
| ADDRESSABLE 2 LOOP CONTROL PANEL c/w Int.Printer                      | ULCF3000        | ULCF30002GP     |
| ADDRESSABLE 2 LOOP CONTROL PANEL c/w Int.Printer, Net Card            | ULCF3000        | ULCF30002GPNC   |
| ADDRESSABLE 2 LOOP CONTROL PANEL c/w Int.Printer, Net Card, Red Metal | ULCF3000        | ULCF30002GPNCRM |
| ADDRESSABLE 2 LOOP CONTROL PANEL c/w Int.Printer, Red Metal           | ULCF3000        | ULCF30002GPRM   |
| ADDRESSABLE 2 LOOP CONTROL PANEL Red Metal                            | ULCF3000        | ULCF30002GRM    |
| ADDRESSABLE 4 LOOP CONTROL PANEL                                      | ULCF3000        | ULCF30004G      |
| ADDRESSABLE 4 LOOP CONTROL PANEL c/w Net Card                         | ULCF3000        | ULCF30004GNC    |
| ADDRESSABLE 4 LOOP CONTROL PANEL c/w Net Card, Red Metal              | ULCF3000        | ULCF30004NCRM   |
| ADDRESSABLE 4 LOOP CONTROL PANEL c/w Int.Printer                      | ULCF3000        | ULCF30004GP     |
| ADDRESSABLE 4 LOOP CONTROL PANEL c/w Int.Printer, Net Card            | ULCF3000        | ULCF30004GPNC   |
| ADDRESSABLE 4 LOOP CONTROL PANEL c/w Int.Printer, Net Card, Red Metal | ULCF3000        | ULCF30004GPNCRM |
| ADDRESSABLE 4 LOOP CONTROL PANEL c/w Int.Printer, Red Metal           | ULCF3000        | ULCF30004GPRM   |
| ADDRESSABLE 4 LOOP CONTROL PANEL Red Metal                            | ULCF3000        | ULCF30004GRM    |