

# Desigo® Fire Safety Modular System

## System-Status Display Series Model SSD, SSD-C and SSD-C-REM

### Architect & Engineer Specifications

- ☐ 4 rows - 40-character alphanumeric LCD screen, backlit upon status change or display toggling
- ☐ Audible and event-status light-emitting diodes (LEDs)
- ☐ Scroll buttons to view additional events
- ☐ Local sounder
- ☐ Supports 'Class B' or 'Class A' wiring
- ☐ Built-in transient protection
- ☐ Mounts in its own enclosure or REMBOX-series enclosure
- ☐ Optional local-system control
- ☐ Downloadable firmware
- ☐ UL864 & CAN / ULC-S576 Listed

### Product Overview

The System-Status Display (SSD Series) is a remote light-emitting diode (LED)/ liquid-crystal display (LCD) display unit that shows the local status of a Desigo Fire Safety Modular system. A LED will illuminate when Alarm | Supervisory | Trouble and Security events occur on the system. A (4) four-line LCD will give details of the event in alphanumeric form. The display can be toggled to display additional events. Optional remote-system-control capabilities are available.

### Specifications

The SSD Series display has separate LEDs for Alarm | Supervisory | Trouble and Security events on the Desigo Fire Safety Modular system. Each LED will flash when unacknowledged events of that type are present on the system. The LED will change to steady, upon acknowledgment of the event.

Also, there are two (2) LEDs that indicate the state of audible circuits on the system: one (1) LED to indicate that the circuits are active and one (1) LED to indicate the circuits have been silenced.

The LCD display on the Model SSD-series display has four (4) rows – 40 characters for each row. When the Desigo Fire Safety Modular system is in its normal supervisory state with no events present, the display will announce the system ID information, the date and the time of day.

When an event occurs on the system, the LCD display will show the event type and address, the time of the event, the custom message for that address, the usage of the device, and whether the event is 'acknowledged' or not.

Additionally, the display will show the total number of all types of events present on the system. The display has a backlight feature that operates upon receiving any event information or when any operator buttons are pressed.

A local sounder is included with the Model SSD-series display that operates when any events are displayed on the system. The sounder can be optionally disabled through software programming. Pressing any operator buttons will silence the local sounder when an event is present.

The SSD Series display has two (2) display-control buttons that are used to display the next or the previous event information in the sequence, and a local sounder silence button. Programming for the SSD Series display is done with the Zeus-D programming tool.



**Model SSD-C-REM**  
System-Status Display Series  
(with control for remote enclosures)



**Model SSD-C**  
System-Status Display Series



## Specifications – (continued)

Models SSD-C and Model SSD-C-REM have three (3) additional control buttons for acknowledging events, silencing audible circuits, and resetting the system. Model SSD-C has an integral key switch that enables these control buttons to operate. Model SSD-C-REM is located within a locked cabinet, so no additional key switch is required for enabling the control buttons.

The SSD Series display is remotely connected to the H-Net communication bus from any Model NIC-C interface in a Desigo Fire Safety Modular system enclosure using Class B or Class A wiring. 24VDC is required to run the SSD Series display, and can be provided from a Model PSC-12 Power Supply or PSX-12 Power Supply Extender in the Desigo Fire Safety Modular system enclosure. Power from other UL Listed 24VDC power sources is also acceptable.

The SSD Series display has screw terminals capable of supporting 12 to 22-gage wires. The H-Net communication from the Desigo Fire Safety Modular system can be terminated on the SSD Series display, or may pass through for communication with other modules. Diagnostic LEDs on the SSD Series display indicate power and communication status.

Models SSD and SSD-C can be mounted in a (2) two-gang electrical box or a (4) four-inch square electrical box. No flush-trim kit is required. The unit is approximately 10-1/2" (26.7cm.) wide, 6-1/8" (15.2cm.) high, and 1-1/2" (3.8cm.) deep.

The Model SSD-C-REM is mounted in a Model REMBOX2 or Model REMBOX4 Remote Lobby Enclosure, or any CAB enclosure inner door. Model SSD-C-REM requires two (2) module spaces in the remote lobby enclosure, and its bracket supports the mounting of four (4) inner door modules (such as Model SCM-8 or Model LCM-8 modules) below the display. The inner door module spaces are arranged in two (2) rows of (2) two-module spaces.

## Temperature and Humidity Range

Products are UL 864 10<sup>th</sup> Edition Listed for indoor dry locations within a temperature range of 120+/-3°F (49+/-2°C) to 32+/-3°F (0+/-2°C) and a relative humidity of 93+/-2% at a temperature of 90+/-3°F (32+/-2°C).

### Electrical Ratings

| SSD-C         |   |
|---------------|---|
| TYPICAL       | 200mA (max) at 24 VDC                       |
| INPUT VOLTAGE | 24 VDC (Nominal)<br>( 31 VDC max ) filtered |

#### NOTE:

An auxiliary-regulated, power-limited power supply may be used to provide power to Model SSD. The power supply must be UL Listed for Fire-Protection Signaling Application. Be sure to also include Model SSD-C in the battery calculations.

| SSD / SSD-INTL |   |
|----------------|---|
| TYPICAL        | 200mA (max) at 24 VDC                       |
| INPUT VOLTAGE  | 24 VDC (Nominal)<br>( 31 VDC max ) filtered |

#### NOTE:

An auxiliary-regulated, power-limited power supply may be used to provide power to Model SSD. The power supply must be UL Listed for Fire-Protection Signaling Application.

| SSD-C-REM     |   |
|---------------|---|
| TYPICAL       | 200mA (max) at 24 VDC                       |
| INPUT VOLTAGE | 24 VDC (Nominal)<br>( 31 VDC max ) filtered |

#### NOTE:

An auxiliary-regulated, power-limited power supply may be used to provide power to Model SSD-C-REM. The power supply must be UL / ULC approved for Fire Protection Signaling Application. Be sure to also include Model SSD-C-REM in the battery calculations.

### Details for Ordering

| MODEL OR TYPE | PART NUMBER | PRODUCT  |
|---------------|-------------|--|
| SSD           | 500-034170  | System-Status Display  |
| SSD-C         | 500-648733  | System-Status Display<br>[with control]                            |
| SSD-C-REM     | 500-634773  | System-Status Display<br>[with control for remote-lobby enclosure] |
| REMBOX2       | 500-633772  | Small Remote-Lobby Enclosure                                       |
| REMBOX4       | 500-633914  | Large Remote-Lobby Enclosure                                       |
| BCM           | 500-033320  | Blank Control Module Plate   |

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**NOTICE** – The information contained in this data-sheet document is intended only as a summary, and is subject to change without notice.  
The product(s) described here has/have a specific instruction sheet(s) that cover various technical, limitation and liability information.  
Copies of install-type, instruction sheets – as well as the *General Product Warning and Limitations* document, which also contains important data, are provided with the product, and are available from the Manufacturer.  
Data contained in the aforesaid type of documentation should be consulted with a fire-safety professional before specifying or using the product.

Any further questions or assistance concerning particular problems that might arise, relative to the proper functioning of the equipment, please contact the Manufacturer.

**SIEMENS**

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