

Desigo® Fire Safety

LED Annunciator Driver

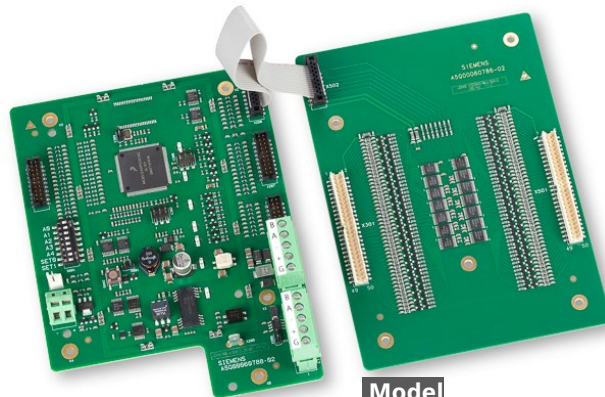
Model FT2007-U1

Architect & Engineer Specifications

- Provides 96 light-emitting diode (LED) outputs for up to 32 zones – including separate *Alarm*, *Supervisory* and *Trouble* outputs per zone
- Contains 16 programmable inputs, plus one (1) key switch
 - Key switch is positioned from the 17th input at all times
- Displays seven (7) system-status LEDs:
 - Power ON; Trouble, Ground Fault, Audibles ON; Acknowledge; Silence, and Reset
 - The first LED is always Power ON
- Supervised via a RS-485 communication bus
 - Maximum eight (8) modules allowed on each RS-485 interface
- Set address and Baud Rate via programmable DIP switches
- Requires external 24 Volts, DC
- UL 864 10th Edition and ULC-S527 Listed; FM (#3010) Approved

Product Overview

The LED Annunciator Driver, Model FT2007-U1, from Siemens – Fire Safety is the main component for custom graphic annunciators on addressable Desigo panels. This optional system module provides outputs for system status as well as zone status. Model FT2007-U1 is supervised via a built-in RS-485 interface. A maximum eight (8) modules are allowed on each RS-485 communication bus.



**Model
FT2007-U1**

Specifications

Model FT2007-U1 is designed for use in custom graphic annunciators.

There are 16 inputs to accommodate user-defined system commands, which include: **Reset; Silence/Unsilence; Acknowledge, and Lamp Test.**

Inputs can also be programmed as “Generic”, which allows additional flexibility for customized functionality. Model FT2007-U1 also includes 96 highly programmable outputs to drive LED indicators.

Each annunciator driver is operated as a remote graphics display indicator at a distance of up to 3,281 ft. (1,000m) from a Desigo FACP.

Model FT2007-U1 gets its operating power from either the auxiliary power connection from a Desigo addressable control panel, Model FC901, or from a separate UL Listed, 24VDC power supply.

Each shipment of the LED Annunciator Driver includes two (2) PC boards [PCBs]; one (1) built-in RS-485 interface, and one (1) LED driver. Additionally, one (1) ribbon cable is packaged, allowing connectivity between the two (2) PCBs.

Notes: A system enclosure or display panel must be ordered separately. The user also needs to provide the cable between the Molex connector and the system-display LEDs / switches.



Temperature and Humidity Range

Model FN2001-U1 is UL 864 10th 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).

Technical Data

Supply Inputs	
Driver Operating Voltage: (at 24VDC, nominal)	16 – 30 VDC
Activation Current:	250mA
Operating Current: (quiescent)	25mA
Connections	
RS-485: <ul style="list-style-type: none"> ▪ Design ▪ Admissible cross-section cable 	14 – 18, 28 AWG [American Wire Gauge]
Inputs and Outputs	Plug-in connection via four (4) ribbon cables

General Properties

Operating Location:	Indoor / dry
Operating Temperature:	0° – 120°F (0° – 49°C)
Storage Temperature	0° – 140°F (0° – 60°C)
Humidity:	≤ 95 %, relative

Physical Properties

Dimensions { W-x-H-x-D }	4.5" + {4.3"} -x- 6.0" -x- 1.2" [(11.4 cm. + {11.0 cm.} -x- 15.2 cm. -x- 3.0 cm.)]
Weight	1 Lb. (454g)

Related Documentation

Data Sheet Number	Description
6813	Desigo 50-point addressable FACP
6815	Desigo 252-point 504-point addressable FACP
6821	Desigo Intelligent Voice Communication (IVC)

Details for Ordering

MODEL OR TYPE	PART NUMBER	PRODUCT
FT2007-U1	S54400-A142-A1	LED Annunciator Driver
		Shipment includes: <ul style="list-style-type: none"> ▪ One (1) ribbon cable (for connection between PCBs) ▪ One (1) end-of-line (EOL) termination jumper ▪ Three (3) plastic cable ties ▪ Four (4) connectors for customer-provided interface (additional ribbon cables not included) ▪ Ten (10) hexagonal standoffs with mounting screws

Notes: For applications in **Canada**, the Model FT2007-U1 LED Annunciator Driver is used optionally in the provinces, and can only be utilized to display system status in real time. In order to comply with ULC regulations, each LED Annunciator Driver must be housed in a lockable ULC-S527 Listed enclosure.

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

Desigo® Fire Safety

Siemens Industry, Inc.
Smart Infrastructure – Building Products
2 Gatehall Drive • Parsippany, NJ 07054
Tel: (973) 593-260

March - 2023
(Rev. 5)