

Desigo® Fire Safety

Digital Alarm Communicator Transmitter

Model FCA2015-U1

Architect & Engineer Specifications

- Four (4) separate monitoring accounts available
- Sends serial data to a central monitoring station
- Two (2) phone lines available
- Reports in eight (8) standard-communication formats
- Automatic 24-hour test feature
- Connects to either a 252-point (Model FCI2016-U1), or 504-point (Model FCI2017-U1) periphery board, and mounts to any of the following:
 - up to 252-point addressable panel: FC2025 (fire) or FV2025 (voice)
 - up to 504-point addressable panel: FC2050 (fire) or FV2050 (voice)
 - Desigo fire terminal, Model FT2050
- All programming is made as part of the Desigo control panel's set configuration
 - Compatible with built-in Erasable Programmable Read-Only Memory [EEPROM] system firmware
- UL Listed, ULC Listed
 - for central-station / remote-station monitoring
- UL 864 9th Edition Listed, ULC Listed
- FM, CSFM and NYC Fire Dept. Approved

Product Overview

The Digital Alarm Communicator Transmitter (DACT) is used to provide communication between either a 252-point or 504-point addressable Desigo system; one (1) Fire Terminal (Model FT2050), and with either a central or remote monitoring station.

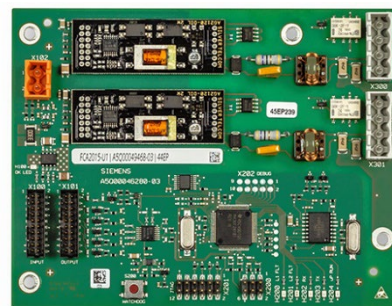
Model FCA2015-U1 connects to either the 252-point addressable periphery board (Model FCI2016-U1), or to the 504-point addressable periphery board (Model FCI2017-U1). The DACT enables remote transmission of alarms and events via a public telephone line.

Additionally, Model FCA2015-U1 supports two (2) lines and four (4) accounts, and can transmit serial information (including the address of the event) to the monitoring station. Any of the accounts can send *Alarm, Gas Alarm, Supervisory, Trouble, Reset, or Trouble-restore* data (or any combination) as required.

Each DACT can perform the automatic 24-hour test required by NFPA, Chapter 4. Model FCA2015-U1 is FM (#3010); CSFM (#7165-0067:0259) and FDNY (#6104) Approved.

Available Communication Protocols include:

- SIA DCS 8
- SIA DCS 20
- Ademco Contact ID
- 3/1 1400 Hz
- 3/1 2300 Hz
- 4/2 1400 Hz
- 4/2 2300 Hz



Model
FCA2015-U1



Temperature and Humidity Range

The Digital Alarm Communication Transmitter and Dialer-Capture Module are each UL 864 9th 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).

Central Station Receiver Compatibility Table

The following table shows a list of central-station receivers that are compatible with Desigo Fire Safety Models FC2025 [252-point] and FC2050 [504-point] addressable systems – as well as with Siemens Models FV2025 [252-point] and FV2050 [504-point] fire-with-voice control panels:

Communication Protocol	Honeywell M8000	Silent Knight 9822	Bosch D6600	Bosch D6100
SIA DCS 8	✓		✓	✓
SIA DCS 20	✓		✓	✓
Ademco Contact ID	✓	✓	✓	✓
3/1 1400 Hz	✓	✓	✓	✓
3/1 2300 Hz	✓	✓	✓	✓
4/2 1400 Hz	✓	✓	✓	✓
4/2 2300 Hz	✓	✓	✓	✓

Notes: Multiple central-station receivers are compatible with the Desigo 252 / 504-point FACPs, Models FC2025 and FC2050, respectively. These receivers also work with Desigo Intelligent Voice Communication: Models FV2025 and FV2050.

Although the table above illustrates central-station receivers that have been verified by Siemens, additional receivers and formats can also be used with each addressable system.

After completing the installation, communication between the Digital Alarm Communication Transmitter (Model DACT) and Central Station Receiver must be tested and verified.

Table of Compatible Alarm Communicators

Each Model FCA2015-U1 dialer can utilize different communication technologies – including Internet Protocol (IP) and Global System Mobile (GSM) communication technologies on Siemens fire-alarm control panels – in order to connect to compatible central-station receivers for off-premises monitoring:

Communication Technology	Bosch C900V2	DSC 3G3070-CF	DSC TL300CF	Telguard TG7GFS04
IP	✓		✓	
GSM		✓		✓

Technical Data

Electrical Ratings @ 24VDC	Standby Current:	33.5mA
	Active Current:	43.5mA
Connections	System Bus	Design Admissible Cross-Section Cable
	Type	14 – 22 AWG [American Wire Gauge] 14-pin, ribbon-cable connection

Physical Properties

DIMENSIONS: (W –x– H –x– D)	4" -x- 5" -x- 0.8" (10.2 cm. -x- 12.7 cm. -x- 2.0 cm.)
WEIGHT:	0.44 Lbs. (20g)

Related Documentation

Product	Data Sheet Number
Fire Terminal and Equipment	6803
Desigo 252-point system / 504-point system	6815
Desigo Intelligent Voice Communication	6821

Details for Ordering

Model or Type	Part Number	Product
FCA2015-U1	S54400-A63-A1	Digital Alarm Dialer for Desigo 252-point and 504-point addressable systems

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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