

# Desigo® Fire Safety Modular System

## Firefighters' Telephone Zone Card Model TZC-8B

### Architect & Engineer Specifications

- ❑ Eight (8) firefighters' telephone circuits
- ❑ Plugs into Two-Slot (Model CC-2) or Five-Slot (Model CC-5) Card Cages
- ❑ Call-in 'Acknowledge' tone
- ❑ Command-console 'Busy' tone
- ❑ Warden-Page option
- ❑ Power-limited circuits
- ❑ UL864 & CAN / ULC-5576 Listed

### Product Overview

The Firefighter's Telephone Zone Card (Model TZC-8B) is a Desigo Fire Safety Modular System option module that plugs into a Model CC-2 or Model CC-5 Card Cage, providing up to eight (8) firefighter's telephone zones. The zones have an 'off-hook' 'acknowledge' tone and a Command Console 'busy' tone.

Model TZC-8B also offers a means for emergency-response personnel situated throughout the affected building to verbally communicate to one another during each emergency situation.

Each zone is activated when a firefighter's telephone station (Model FTS series) connected to that zone is taken off hook, or a portable handset (Model PFT series) is plugged into a jack (Model FJ series).

When the zone becomes active, the remote telephone station will receive an 'off-hook' 'acknowledge' tone and the programmed zone light will begin flashing at the command console.

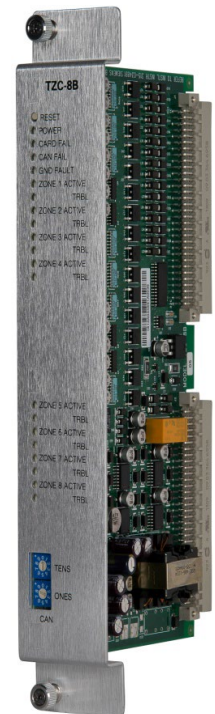
Once selected by the operator, the zone will be connected to the telephone riser in a multiple-connection 'party-line' mode and the programmed zone light will light steady (non-flashing).

The active, remote telephone station(s) will receive a busy tone when the command console is presently connected to another telephone zone.

Each telephone zone uses a single pair of wires and is individually supervised in a 'Class-B'-type mode. Zones are also individually power limited, per NEC 760. Each zone also contains transient protection.

Up to five (5) telephone stations may be off-hook simultaneously in a multiple-connection 'party-line' mode with no loss of audio quality.

The Telephone Zone Card (Model TZC-8B), which is supervised by the Model DAC-NET Card, is assigned to one (1) of the 99 Model DAC-NET sub addresses (CAN addresses).



**Model TZC-8B**  
**Firefighters'**  
**Telephone Zone Card**



Electrical Ratings	
INPUT POWER	
24V Current Draw: [Back Plane]	0mA
24V Current Draw: [Screw Terminal]	280mA + 35mA, per active zone
6.2V Current Draw: [Back Plane]	0mA
24V Current Draw: [Standby]	280mA
OUTPUT POWER	
CAN NETWORK PAIR	8V, peak-to-peak, max.

### Temperature and Humidity Range

Model TZC-8B is UL Listed for indoor dry locations within a temperature range of 120<sup>+</sup>/-3<sup>°</sup>F (49<sup>+</sup>/-2<sup>°</sup>C) to 32<sup>+</sup>/-3<sup>°</sup>F (0<sup>+</sup>/-2<sup>°</sup>C) and a relative humidity of 93<sup>+</sup>/-2% at a temperature of 90<sup>+</sup>/-3<sup>°</sup>F (32<sup>+</sup>/-2<sup>°</sup>C).

Details for Ordering		
MODEL OR TYPE	PART NUMBER	PRODUCT
TZC-8B	500-034110	Firefighters' Telephone Zone Card

Compatible Firefighters' Telephone System Accessories		
MODEL OR TYPE	PART NUMBER	PRODUCT
FB-300	500-680587	Flush Box used for Phone Station
FB-301S	500-624388	Surface Box for Handheld Phone
FC-300S	500-680588	Key Door for Phone Box
FJ-303	500-690975	Remote Phone Jack
FJ-303SS	500-698309	Remote Phone Jack, Stainless Steel
FJ-304	500-692670	Phone Jack with Screw Terminal
FJ-304SS	500-698310	Phone Jack with Terminal and Stainless-Steel Plate
FT-GLS	500-624347	Replacement Glass (for the frame found on the front of each key door, Model FC300S)
FTS	500-299448	Firefighters' Telephone Station
FTS-C	500-299450	Firefighters' Telephone Station (with armored cable)
FTS-CL	500-299453	Firefighters' Telephone Station (with armored cable and LED)
FTS-P	500-299452	Firefighters' Telephone Station
FTS-PCL	500-299451	Firefighters' Telephone (Push-To-Talk function)
PFT	500-699427	Firefighters' Telephone Station
PFT-P	500-699430	Portable Firefighters' Telephone (Push-To-Talk function)

**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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