

# Cerberus<sup>®</sup> PRO

## C-WEB Network Module

### Model FN2001-U1

#### Architect & Engineer Specifications

- Supports 'peer-to-peer' networking between the following:
  - Models FC922 / FV922 and FC924 / FV924 fire alarm control panels (FACPs)
  - Model FT924 fire terminal unit
- Electrical isolation between the system bus and FACP
- System-bus input / output connections
- Fast data transfer
- Holds up to 16 network nodes
- Style 4 or Style 7 wiring
- Ground-fault monitoring
- Integrated degrade-mode function
- UL 864 10th Edition Listed, ULC-S527 Listed
- FM, CSFM and NYC Fire Department Approved

#### Product Overview

The C-WEB network module (Model FN2001-U1) is used to network up to 16 FACPs and the fire terminal unit (Model FT924), via the C-NET system bus. The C-WEB network module plugs into the Operating Unit (Model FCM2018-U3 or Model FCM2019-U3).

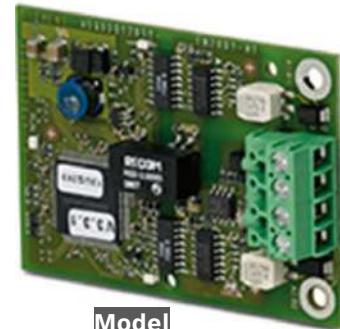
Model FN2001-U1 supports 'peer-to-peer' networking between the following systems:

- Models FC922, FV922
- Models FC924, FV924
- Model FT924

The Model FN2001-U1 connects to system-bus inputs and outputs. The module has ground-fault monitoring and an integrated degrade-mode function. Redundant networking is accomplished with one (1) network module per panel [simple loop trouble].

There is an electrical isolation between the system bus and the FACP. Programming software is held in flash electrically erasable programmable read-only memory (EEPROM).

Model FN2001-U1 is CSFM (#7165- 0067:0264); FM (#3010) and FDNY (#6104) Approved.



**Model  
FN2001-U1**

#### 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   |   |                          |
|--|---|--------------------------|
| <b>Supply Inputs</b>   |   |                          |
| Operating Voltage:   | 20.4 — 30 VDC   |                          |
| Operating Current:   | 45mA, max.  |                          |
| <b>System Bus</b>  |   |                          |
| Voltage:   | 5VDC  |                          |
| Power  | 100mA, max.   |                          |
| Impedance  | 120 Ω   |                          |
| Cable Types  | Shielded and unshielded   |                          |
| Protocol   | C-WEB / C-NET (UDP / IP)  |                          |
| Data Rate in Operation Mode:   | Speed   | 312 kilobytes per second |
|  | Distance  | 96 kilobytes per second  |
| Distance between two (2) network modules:  | 3,281 ft. (1,000 meters), max.  |                          |
| Electrical isolation: {between C-NET and the FACP}   | 1 kV  |                          |
| Monitored for:   | <ul style="list-style-type: none"> <li>▪ Short-circuit</li> <li>▪ Open loop</li> <li>▪ Ground fault</li> <li>▪ Communication error</li> </ul> |                          |
| <b>Connections</b>   |   |                          |
| System Bus: <ul style="list-style-type: none"> <li>▪ Design</li> <li>▪ Admissible cross-section cable</li> </ul> | 14 — 22 AWG [American Wire Gauge]   |                          |
| Operating Unit   | Plug-In-Type Connection   |                          |

| Physical Properties      |   |
|--------------------------|---|
| Dimensions ( W-x-H-x-D ) | 2" —x— 2.8" —x— 0.8"<br>(5.0 cm. -x- 7.0 cm. -x- 2.0 cm.) |
| Weight                   | 0.44 Lbs. (20g)   |

| Details for Ordering |               |                      |
|----------------------|---------------|----------------------|
| MODEL OR TYPE        | PART NUMBER   | PRODUCT              |
| FN2001-U1            | S54400-A60-A1 | C-WEB Network Module |

| Related Documentation                               |                  |
|---|------------------|
| Product   | Datasheet Number |
| Fire Terminal Unit                                  | 9803             |
| Cerberus PRO 252 / 504-point Addressable System     | 9815             |
| Cerberus PRO Intelligent Voice Communication System | 9821             |

**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.



**Cerberus® PRO**

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