

1747-KFC15 ControlNet™ Messaging Module



Product Profile

An SLC-500 Network Connection for Unscheduled ControlNet Messaging



Enhanced SLC Communication Capability

The 1747-KFC15 module provides the capability for an SLC 500 processor (5/03, 5/04 or 5/05) to send or receive unscheduled ControlNet messages. With this unscheduled messaging, the SLC™ controller program can send peer-to-peer messages or be accessed and edited over the ControlNet network using RSLogix500™.

The 1747-KFC15 module is connected to the ControlNet network via the standard BNC connectors (redundant connection is standard). The 1747-KFC15 links to the SLC controller via a standard RS-232 cable (included with the module). Once connected, other programming interfaces (e.g. 1784-PCC, 1784-KTCX15, 1770-KFC15 etc.) can interface to the ControlNet network through the 1747-KFC15 module's convenient network access port.

The 1747-KFC15 module complements the 1747-SCNR ControlNet Scanner that provides scheduled messaging capability to SLC controllers. When used with the 1747-SCNR, each module occupies a separate network node address. Since the 1747-KFC15

module is FLASH upgradable, it can be upgraded to the latest functionality via software.

1747-KFC15 Features

- 4 digit/7-segment display for node address and module status
- Node address set via rotary switches (in decimal)
- RS232 KFC-to-SLC cable included
- Media redundancy (Dual BNC connectors)
- RJ-45 Network Access Port
- Module powered directly from SLC chassis backplane



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1747-KFC15 Specifications

| | |
|--|---|
| RS232 | |
| Interface | Default: Start bits 1, Data bits 8, Parity none, Even, Odd, Stop bits1 |
| Baud Rates | 1200, 2400, 4800, 9600, 19200, 38400, 57600 |
| Connector | DB-9P (male) |
| Output | RS-232C |
| Protocol | Allen-Bradley DF1 |
| Ground Isolation | Opto-coupled |
| ControlNet Interface | |
| Connectors | Standard BNC connectors |
| Cable | RG-6, 75 - ohm coaxial cable |
| Media Redundancy | Connection for 2 independent coaxial cables |
| Ground Isolation | Dual transformers |
| Network Access Port (NAP) Interface | |
| Connector | RJ-45, 8-pin, phone jack with shield |
| Isolation | Opto-isolated |
| General | |
| Weight | 217.6 g |
| Mounting | SLC 500 chassis |
| Operating Temperature | 0°C to 60°C (32°F to 140°F) |
| Storage Temperature | -40°C to 85°C (-40°F to 185°F) |
| Operating Humidity | 5% to 95% (non-condensing) |
| Agency Safety Certification | CSA Approved, Class 1, Group A, B, C, or D; Division 2 UL Listed CE compliant for all applications directives |

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Americas Headquarters, 1201 South Second Street, Milwaukee, WI 53204, USA, Tel: (1) 414 382-2000, Fax: (1) 414 382-4444
European Headquarters SA/NV, avenue Herrmann Debroux, 46, 1160 Brussels, Belgium, Tel: (32) 2 663 06 00, Fax: (32) 2 663 06 40
Asia Pacific Headquarters, 27/F Citicorp Centre, 18 Whitfield Road, Causeway Bay, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

