

SLC 500™ ControlNet™ Adapter Modules

Now Compatible with ControlNet PLC-5 Controllers

The new 1747-ACN15 and 1747-ACNR15 (SLC ACN) ControlNet™ I/O adapters bring the features and performance of ControlNet phase 1.5 to 1746 I/O.

These adapter modules provide the capability for up to three 1746 chassis (30 slots) of discrete, analog and specialty I/O modules to produce/consume scheduled I/O to a ControlNet network. SLC ACN adapter modules have been designed to provide both scheduled and unscheduled ControlNet network connections for 1746 I/O.

SLC ACN adapter modules are connected to the ControlNet network via standard BNC connectors (redundant connection available in the 1747-ACNR). The modules are powered from and communicate with I/O modules over the SLC chassis back plane. The SLC ACN adapter communicates with ControlNet controllers (e.g. PLC-5C, 1747-SCNR, 1784-KTCS, etc.) via the network.

SLC ACN modules are FLASH upgradable allowing the module to be easily upgraded to the latest functionality via software.

The two new adapters are configured on the ControlNet network with RSNetworx release 2.0 or later.

1747-ACN & 1747-ACNR Features:

- 4 digit/7-segment display for node address and module status
- Node address set via rotary switches (in decimal)
- No DIP switches needed for module configuration
- Optional media redundancy (dual BNC connectors) available with ACNR
- Compatible with all 1746 discrete, analog, and specialty modules except modules requiring G file configuration, e.g. 1747-SN
- ACN15 and ACNR15 adapters are compatible with PLC-5C controllers including hot back-up functionality (software and firmware upgrades required, available January, 2001)



- Capable of communicating with up to 3 chassis (30 slots) of 1746 I/O per node
- Supports multiple connections to individual modules or rack connections to a group of discrete modules
- Software upgradable via Flash
- Up to 64 connections per adapter are possible with 255 words (max) per connection
- Supports ControlNet scheduled and unscheduled messaging
- UL/CUL/CE/Class 1, Division 2 certified

See also: 1786-2.9 ControlNet System and Product Overview

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