

MOD HUB series

*A Line of Modular Active Hubs for ARCNET®
Local Area Networks*

Expansion Modules Installation Instructions

#TD471100-01J

CONTEMPORARY CONTROLS®

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INTRODUCTION

This document provides instructions for installing and removing expansion modules to be used in the MOD HUB series of modular ARCNET active hubs. More detailed information regarding the MOD HUB Series can be obtained by referring to Contemporary Controls' *MOD HUB Series User Manual*.

CABLING CONSIDERATIONS

The MOD HUB Series is a line of modular active hubs for ARCNET local area networks. These hubs support several cabling types including coaxial, twisted-pair and glass fiber optics.

As far as topology is concerned, each MOD HUB expansion module is designed for use in star or distributed star configurations. Expansion modules can be used to extend the length of coaxial and twisted-pair bus segments by connecting the expansion module at the end of bus segments.

The cabling types supported by the MOD HUB Series are listed on the following page with their corresponding model numbers.

Model Number	Description
EXP-CXS	4-port coaxial star expansion module
EXP-CXS/FG3-ST	Coax/1300 nm fiber expansion module
EXP-CXS/FOG-SMA	2-port coax/fiber SMA expansion module
EXP-CXS/FOG-ST	2-port coax/fiber ST expansion module
EXP-CXS/485	2-port coax/485 expansion module
EXP-CXS/485X	2-port coax/485X expansion module
EXP-FOG-SMA	4-port fiber SMA expansion module
EXP-FOG-ST	4-port fiber ST expansion module
EXP-TPS	4-port twisted-pair expansion module
EXP-TPS/CXS	2-port twisted-pair/coax expansion module
EXP-TPS/FOG-SMA	2-port twisted-pair/fiber SMA expansion module
EXP-TPS/FOG-ST	2-port twisted-pair/fiber ST expansion module
EXP-485	4-port DC EIA-485 expansion module
EXP-485/FOG-SMA	2-port 485/fiber SMA expansion module
EXP-485/FOG-ST	2-port 485/fiber ST expansion module
EXP-485X	4-port AC EIA-485 expansion module
EXP-485X/FOG-SMA	2-port 485X/fiber SMA expansion module
EXP-485X/FOG-ST	2-port 485X/fiber ST expansion module

REMOVING MODULES FROM THE MOD HUB

Before removing the modules from the MOD HUB, turn the unit off by depressing the power switch located on the front panel of the MOD HUB. Unplug the power cord from the wall outlet. Disconnect the cables from the connectors on the module that is being removed.

Dislodging Modules From The MOD HUB

Loosen the module from the MOD HUB unit by unscrewing both of the captive screws with your fingers. The captive screws are located on each end of the module. Loosen the captive screws until they are unthreaded to the point where they hang freely from the module.

With your fingers, grasp each of the module's captive screws and pull the module out of the MOD HUB unit until it is free from the unit. (If you are removing a blank panel, simply unscrew the two fasteners.)

INSTALLING MODULES INTO THE MOD HUB

Before installing modules into the MOD HUB, turn the unit off by depressing the power switch located on the front panel of the MOD HUB. Unplug the power cord from the wall outlet.

Loading Modules into the MOD HUB

Remove any blank panels or modules being replaced from the MOD HUB. Unpackage the module to be installed, taking care not to harm the module. Grasp the module by the faceplate (with its circuitry facing left) and gently place the module into the empty slot on the MOD HUB. Push the module into the MOD HUB (some force may be needed to seat the module into position) until the module's face plate is seated against the unit.

Tighten the captive screws on the module with your fingers and fasten them in the locking position. Attach the cables running from each device in the ARCNET LAN to the appropriate module connectors on the newly-installed expansion module. Refer to the *MOD HUB Series User Manual*, Chapter 2, to test the module for proper working operation.

NEED MORE HELP INSTALLING THIS PRODUCT?

More information can be found on our web site at www.ccontrols.com. Browse the Technical Support section of our site for a look at our on-line technical manuals, downloadable software drivers and utility programs that can test the product. When contacting us, just ask for technical support.

Warranty

Contemporary Controls (CC) warrants its new product to the original purchaser for two years from the product shipping date. Product returned to CC for repair is warranted for one year from the date that the repaired product is shipped back to the purchaser or for the remainder of the original warranty period, whichever is longer.

If a CC product fails to operate in compliance with its specification during the warranty period, CC will, at its option, repair or replace the product at no charge. The customer is, however, responsible for shipping the product; CC assumes no responsibility for the product until it is received.

CC's limited warranty covers products only as delivered and does not cover repair of products that have been damaged by abuse, accident, disaster, misuse, or incorrect installation. User modification may void the warranty if the product is damaged by the modification, in which case this warranty does not cover repair or replacement.

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Returning Products for Repair

Return the product to the location from which it was purchased by following the instructions at the URL below:

www.ccontrols.com/rma.htm

DECLARATION OF CONFORMITY

Additional compliance documentation can be found on our website.

www.ccontrols.com

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