Bailey
network 90™

Module Mounting Unit
NMMUO□

WARNING

DO NOT INSTALL, MAINTAIN OR OPERATE THIS EQUIPMENT WITHOUT READING, UNDERSTANDING AND FOLLOWING PROPER Babcock & Wilcox Bailey Controls INSTRUCTIONS AND MANUALS, OTHERWISE INJURY OR DAMAGE MAY RESULT.

AVERTISSEMENT

NE PAS METTRE EN PLACE, REPARER OU FAIRE FONCTIONNER CE MATERIEL SANS AVOIR LU, COMPRIS ET SUIVI LES INSTRUCTIONS REGLEMENTAIRES DE Babcock & Wilcox Bailey Controls TOUTE NEGLIGENCE A CET EGARD POURRAIT ETRE UNE CAUSE D'ACCIDENT OU DE DEFAILLANCE DU MATERIEL.

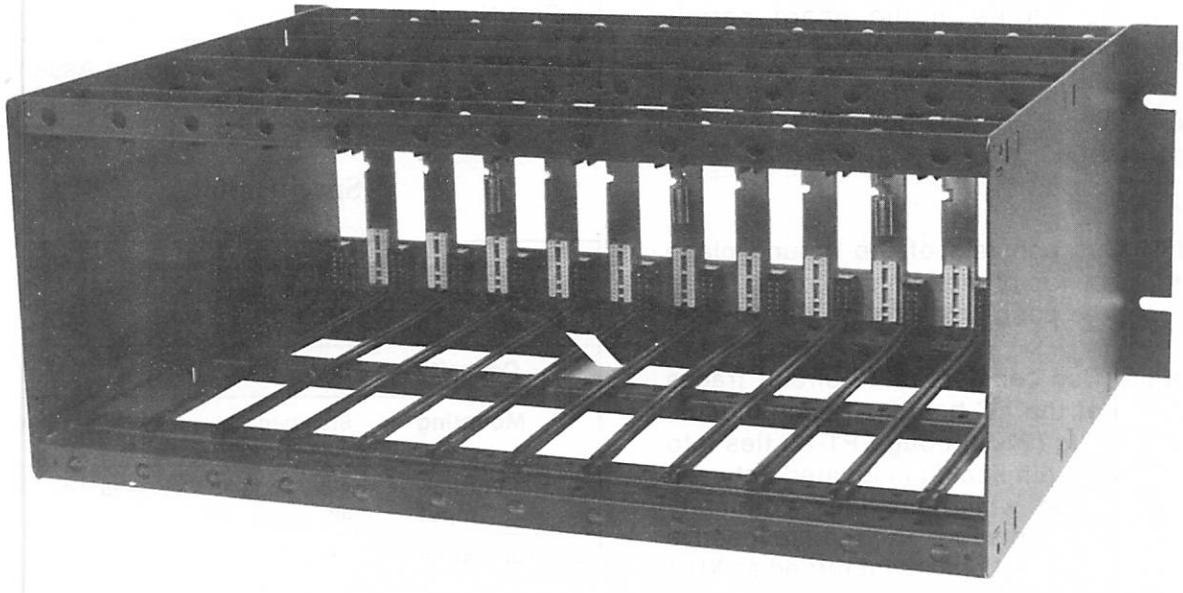

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FIGURE 1 — Module Mounting Unit

Product Instruction E93-910-4

Bailey® Controls
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Description

The Module Mounting Unit (MMU) houses the various modules which process and control NETWORK 90™ system functions.

There are two models of MMU's as described by the following nomenclature:

NMMU01	Module Mounting Unit with Flanges for Rear Mounting
NMMU02	Module Mounting Unit with Flanges for Front Mounting

The MMU assembly consists of 10 crossbars, 12 pairs of guides, two side plates and the backplane. The open top and bottom structure allow air to flow over the modules to the other panels nearer the top of the cabinet.

Mounting flanges are located at the rear corners of the MMU for rear mounting in the standard NETWORK 90 Cabinet (NCAB0□). A front mounting MMU is available by reversing the backplane.

Modules can be installed and removed quickly and easily. The module is held in position by the card guides, the connectors on the backplane and the lock-in feature between the MMU front frame member and the front lower lip of the module.

The backplane is a dual-sided PC board assembly containing capacitors, dipshunt sockets, connectors and eight dual-blade slip-on terminals located in the upper left edge of the PC board. Twelve holes in the board permit direct I/O cable coupling to the modules.

The backplane contains two busses:

1. Module Bus
2. Expander Bus

The Module Bus consists of the ground plane and traces along the top of the printed circuit. These tie to the 12 module positions through the P1 connectors.

The Expander Bus consists of 12 circuit traces along the bottom of the PC board. At each module position a 12-pin plug (P1-1 through P1-12) ties into each conductor. A 24-pin socket is located between each module position which provides continuity when dipshunts are placed in the respective sockets. The dipshunt sockets are identified as XU-1 through XU-11.

Receiving, Handling and Storage

Upon receipt, the unit should be examined for possible damage in transit. If damage is found or if there is any evidence of rough handling, a damage claim should be filed with the responsible transportation company and the nearest Bailey Sales Office should be notified.

Storage should make use of original packing material and container. The storage environment should be protected and should be free of all environmental extremes, including temperature, moisture and air quality conditions.

Installation

The Module Mounting Units should be mounted in the PCU cabinet directly below the Fan Assembly. The MMU is rear mounted to cabinet mounting rails with four 10-24 x 1/2 in. screws.

Electrical conductors from the MMU backplane are wired to the Module Power Panel as shown by the appropriate wiring diagrams in Product Information E93-900-4 "System Engineering Procedure". One or more MMU's may be installed in a single cabinet as described in Product Instruction E93-910-1, "NCABO□ Cabinet".

Service and Replacement

Maintenance of the MMU is not normally required. Recommended spare parts are listed below.

Part Number	
6632003-1	P.C. Board Assembly
1947105-1	Card Guide

Specifications

Physical Aspects:	Width: 19" (48.3 cm) Height: 7" (17.8 cm) Depth: 12" (30.5 cm)
Capacity	12 modules
Mounting	Standard 19" racks, four 10-24 screws
Voltage Input	+5 V dc, +15 V dc, —15 V dc, —30 V dc
Environmental Constraints	Standard environmental specifications for the system are applicable (reference Product Specification E93-900).

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Bailey Controls, Wickliffe, Ohio 44092, a division of Babcock & Wilcox, U.S.A.

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Form IE93-910-4A0 Litho in U.S.A. 382