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**DIVISION 28 23 23**  
**RMB(X) SERIES – RACK-MOUNTING ADAPTOR BRACKET**  
**ENGINEERING SPECIFICATIONS**

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**PART 1 - GENERAL**

**1.01 SUMMARY**

- A. RACK-MOUNTING ADAPTOR BRACKET

**1.02 SECTION INCLUDES**

- A. RMB(X) Series Rack-Mounting Adaptor Bracket

**1.03 REFERENCES**

- A. Underwriters Laboratory (UL)  
B. Underwriters Laboratory Canada (ULC)  
C. European Union Compliance (CE)

**1.04 SYSTEM DESCRIPTION**

- A. Performance Requirements: Provide Rack-Mounting Adaptor Brackets to Rack Mount Select Desk Units.

**1.05 SUBMITTALS**

- A. Product Data: Manufacturer's printed product data sheet for each type of Transmitter/Receiver specified.  
B. Detail Drawings: Electrical and optical connect drawings. Product mounting template.  
C. Manufacturer's Installation and Operating Manual: Printed installation and operating information for each type of Transmitter/Receiver specified.  
D. Warranty: Manufacturer's Printed Warranty

**1.06 DELIVERY, STORAGE AND HANDLING**

- A. Deliver materials in unopened factory packaging with Manufacturer's bar coding to the job site.  
B. Inspect product upon delivery to assure that specified products have been received.  
C. Store in original packaging in a climate controlled environment. Storage Temperature not to exceed: -40° C to +85° C

**1.07 PROJECT/SITE CONDITIONS**

- A. Temperature Requirements: Products shall operate in an environment with an ambient temperature range of – 40° C to +75° C without the assistance of fan-forced cooling.  
B. Humidity Requirements: Products shall operate in an environment with relative humidity of 0% to 95% (non-condensing). If product is installed in condensation conditions, unit shall have conformal coating applied to the printed circuit board.

**1.08 WARRANTY**

- A. Standard Communication Networks Comprehensive Lifetime Warranty: COMNET warrants the product to be free of factory defects under manufacture's Lifetime Warranty as submitted under article 1.05 (E)

**PART 2 - PRODUCTS**

**2.01 MANUFACTURER**

- A. Acceptable Manufacturer  
Communication Networks  
3 Corporate Drive  
Danbury CT 06810  
USA  
Telephone: 203 796-5300  
e-mail: [sales@ComNet.net](mailto:sales@ComNet.net);  
Internet URL: [www.ComNet.net](http://www.ComNet.net)  
B. Substitutions: Not Permitted  
C. All fiber optic modules shall be supplied from a single manufacturer.

**2.02 MANUFACTURED UNITS**

- A. Model Number Descriptions: Reference Table A: Product Number Descriptions
- B. Model Compatibility Chart: Reference Table B: Product Compatibility Chart

### **2.03 GENERAL SPECIFICATIONS**

- A. The Rack Mounting Adaptor Brackets shall be a ComNet model RMB(X). The brackets shall allow for the rack mounting of select ComNet Managed Switches. The brackets shall be designed to attach to the sides of the compatible equipment and shall require no holes to be drilled or tapped. Adaptor Brackets shall be configured to allow the equipment to mount to the front of an EIA rack without interfering with any adjoining rack spaces. The module shall have an MTBF of >100,000 hours and operate in an environment of -40° C to +75° C and relative humidity between 0% to 95% (non-condensing). The module shall be UL and ULC listed and CE marked.. Housing shall be of all metal construction. The module shall have a lifetime warranty to reduce system life cycle cost in an event of a module failure.

### **2.04 STATUS INDICATORS**

- A. Power: N/A

### **2.05 ELECTRICAL SPECIFICATIONS**

- A. N/A

### **2.06 MECHANICAL SPECIFICATIONS**

- A. Rack Space: 1 RU
- B. Finish: Module shall be constructed of a metal enclosure. Adaptor Brackets shall be constructed of anodized aluminum.
- C. Weight: <1.0 lbs./0.45kg

### **2.07 ENVIRONMENTAL SPECIFICATIONS**

- A. MTBF: >100,000 Hours
- B. Operating Temp: -40° C to +75° C
- C. Storage Temp: -40° C to +85° C

### **2.08 ACCESSORIES**

- A. N/A

## **PART 3 - EXECUTION**

### **3.01 EXAMINATION**

- A. Inspect modules before installation.
- B. Modules shall be free of any cosmetic defects or damage.
- C. Shipping box shall include the module, power supply and operations manual.

### **3.02 PREPARATION**

- A. Rack Mount Module (19" Rack)
  - 1. Ensure the card cage is installed in a standard EIA 19" (482.6 mm) rack or wall standoff bracket adequate for the size and weight of the card cage.

### **3.03 INSTALLATION**

- A. General: Locate fiber optic modules as indicated on the approved detail drawings and install module in compliance with the ComNet installation and operations manual.

### **3.04 CLEANING**

- A. Follow all instructions for proper use of solvents and adhesives used for termination and splicing.
- B. At completion of the installation, dispose of all fiber scraps properly.

<b>Model Number</b>	<b>Description</b>
RMB1	Single-Module Rack Mount Adaptor Kit with mounting hardware kit, for models with 9.85 inches (250mm) width dimension.
RMB2	Single-Module Rack Mount Adaptor Kit with mounting hardware kit, for models with 8.6 inches (217 mm) width dimension.
RMB3	Dual-Module Rack Mount Adaptor Kit with mounting hardware kit, for two (2) models with 8.6 inches (217 mm) width dimensions

**END OF SECTION**

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