Extreme Environment Cat5e Enclosure
Model EM02-402

1. GENERAL

1.1 The NAC EM02-402 is a rugged and durable Cat5e mountable housing designed for indoor or outdoor environments. The EM02-402 can deliver multiple Cat5e services or a combination of Cat5e, fiber or multi-media services using NAC's VLX or LGX™ compatible adapter panels. The EM02-402 housing has separate Service Provider and Customer compartments and doors. The innovative contour housing maximizes usable space for cable slack management while preserving its compact size. The EM02-402 can be either wall or pole-mounted.

1.2 Whenever this product or document is changed, it will be reflected in this paragraph.

1.3 The EM02-402 provides the following features and capabilities:

- Die-cast aluminum construction engineered to endure extreme environments and physical abuse.

- Separate and secure compartments and access doors for the Service Provider and Customer.

- Service Provider compartment support cable slack management.

- Supports LGX™ adapters panels

- Accepts telco and utility conduits

- Customizable service handoffs
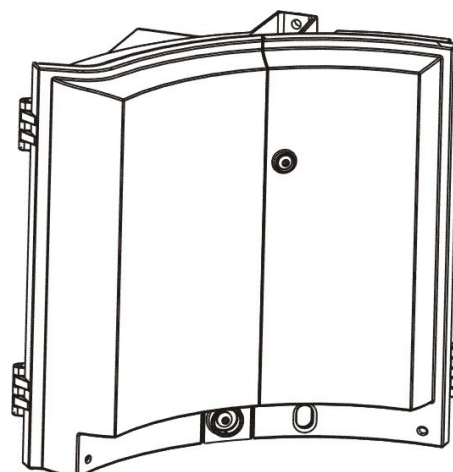
- Telcordia GR-49,63,487 Core Compliant

Figure 1. EM02-402

2. APPLICATIONS

2.1 The EM02-402 is typically used as a service demarcation from Service Providers to End-Users or Intra-Facilities. This housing is designed to be mounted to the side of a wall, a pole or other indoor or outdoor location where Cat5e or other communication service termination is required. It is ideal for use in applications involving secure Cat5e or multi-media termination handoffs for customer residence, small businesses, or utility poles serving DAS or small cell technology. The EM02-4XX series of products are designed to withstand harsh environments.

3. DESCRIPTION

3.1 The EM02-402 is a die-cast aluminum designed housing with separate compartments, cable entry ports, and door covers for the Service Provider and End-User, respectively. Refer to Figure 2 for details.
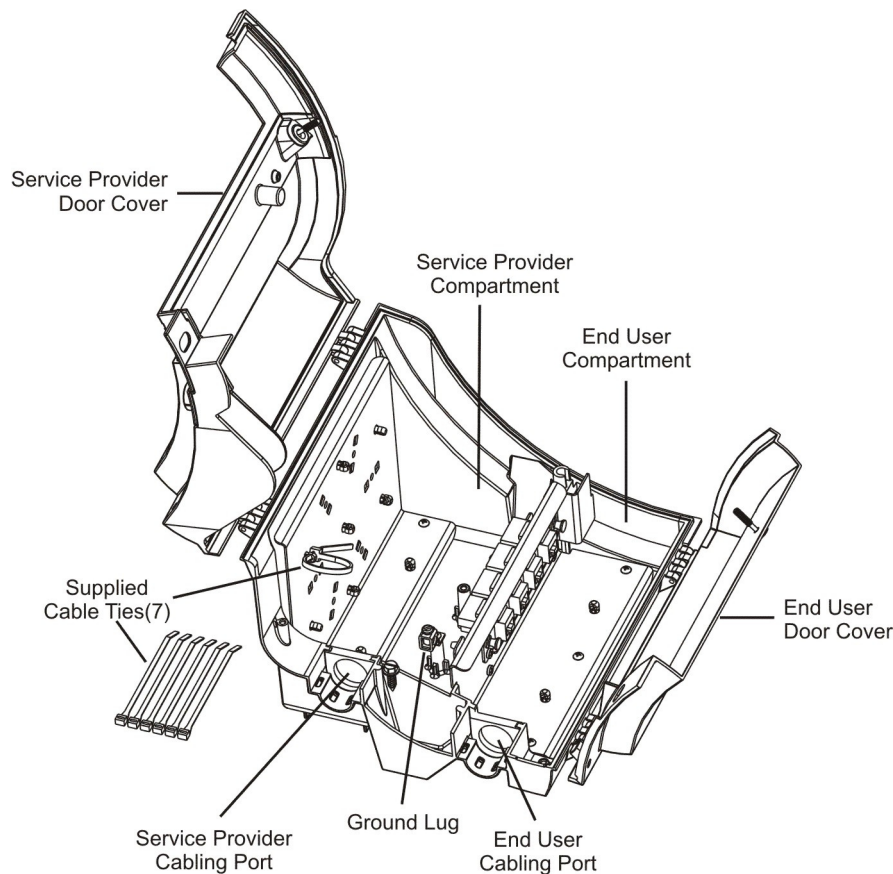
LGX® is a registered trademark OFS FITEL, LLC

nac

NA COMMUNICATIONS

Figure 2. EM02-402 Description

4. INSTALLATION

4.1 Housing → Figure 3

a. Locate the desired location and install the hook bracket using a #10 screw. Use an appropriate screw type for the intended installations. A second screw can be used if desired.

b. Hang the EM02-402 from the hook bracket as shown.

c. Secure EM02-402 using an additional #10 screw.

d. An "optional" pole bracket (EM02-AC101) can be ordered for pole or wall mounting applications as shown.

4.2 Cabling → Figure 4

a. Gently pull the Cat5e cables through the conduit, leaving ample length of cable slack.

b. Manage the Cat5e cable slack by weaving the cables through the cable ties along the side plate of the housing.

c. Insert into the appropriate Cat5e cable into the coupler.

d. Where appropriate, use additional tie-wraps to secure the cabling to tie-wrap holders within the housing.

4.2 Grounding

a. All grounding should follow Service Providers practices and local codes.

b. Route the appropriate gauge ground wire through the cable port rubber grommet.

c. Connect the ground wire to the ground lug and attach the other end of the wire to a bonded ground point
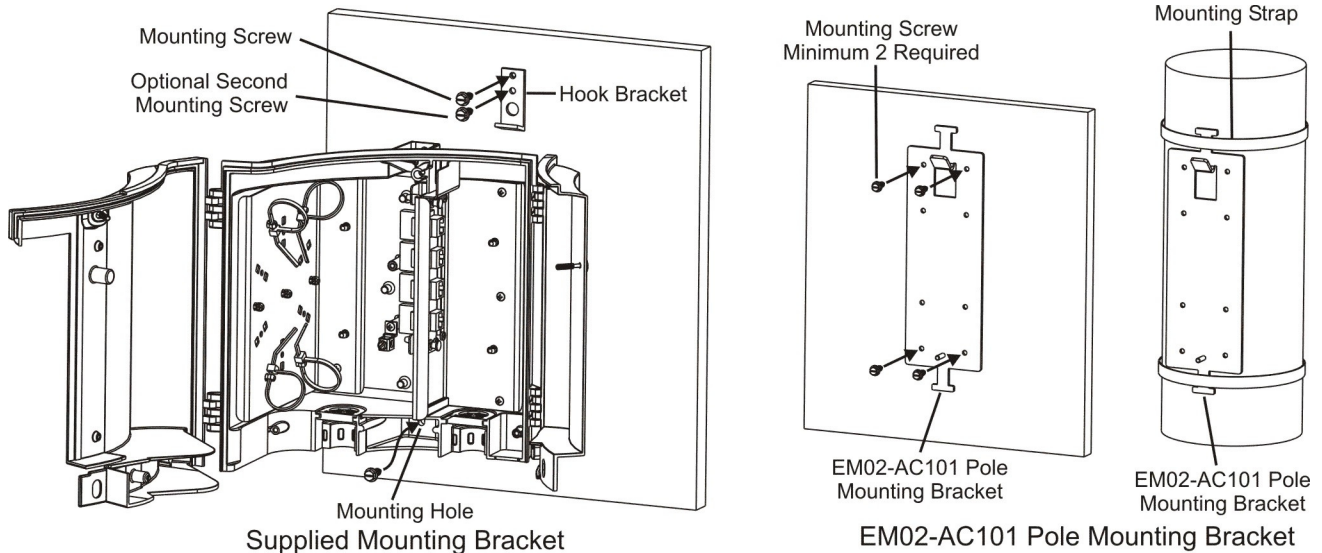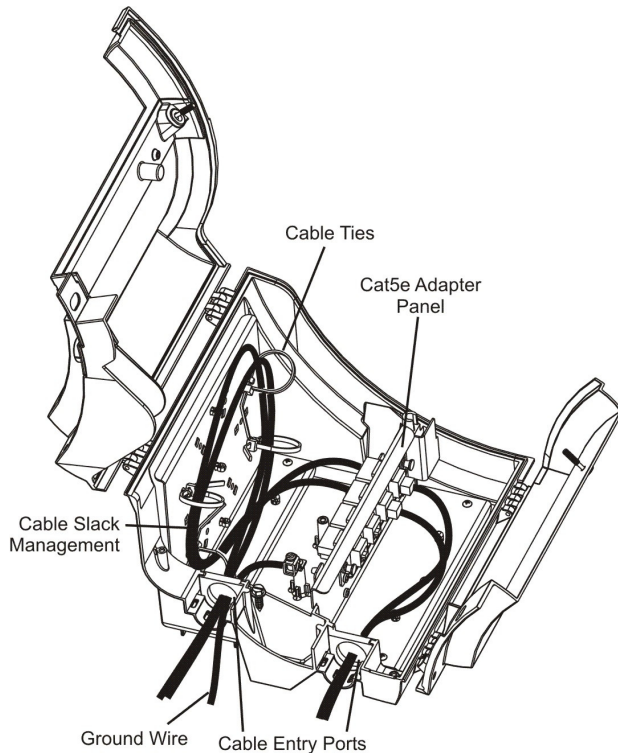
Figure 3. Installation – Housing

Figure 4. Installation – Cabling

5. CUSTOMER SERVICE

If technical or customer assistance is required, please contact NAC at the following address or phone number:

N A Communications, LLC
3820 Ohio Ave. Suite 12
St. Charles, Illinois 60174
Toll Free: 1-888-402-4622
Voice: (630) 513-1299
www.gotonac.com

6. WARRANTY & REPAIRS

6.1 Warranty

NAC warrants this product for (7) years from date of purchase. Any attempt to repair or modify the equipment by anyone other than an authorized NAC representative will void the warranty.

This limited warranty does not cover any losses or damages resulting from shipment to or from the customer, or from improper installation, abuse, modifications, or unauthorized repair by other than NAC personnel.

6.2 Repair and Return

NAC equipment will be repaired or replaced without cost during the warranty period if the product is defective for any reason other than abuse, improper use, or improper installation. Before returning defective equipment, first request a Return Material Authorization (RMA) number from NAC. Once an RMA number is obtained, return the unit, freight prepaid, along with a brief description of the problem, to:

    N A Communications, LLC
    3820 Ohio Ave. Suite 12
    St. Charles, Illinois 60174
    ATTN: Repair & Return Dept.

8. ORDERING

Product Description	Order Number
Fiber Environmental Mounting	EM02-402
Pole Mounting Bracket	EM02-AC101
VLX 4 Keystone blanks	VLX-100
VLX Angled Panel 4 SC*	VLX-101
VLX 4 Cat5e	VLX-102
VLX blank	VLX-106

* GR-326 and Verizon FOC compliant

7. SPECIFICATIONS

7.1 General

Color: White
Material: Die-Cast Aluminum
Fiber Capacity: Dependent on VLX / LGX® panel
Regulatory: Telcordia GR49-Core

7.2 Physical Specifications

Feature	U.S.	Metric
Height	10.0 inches	25.4 cm
Width	8.3 inches	21.1 cm
Depth	7.5 inches	19.1 cm
Weight (approx.)	4.9 pounds	340 g

7.3 Environmental GR49, GR63 and GR487 ANSI/UL 60950 Compliant Specifications

Feature	U.S.	Metric
Operating Temperature	-40° to 185°F	-40° to 85°C
Humidity	0 to 95% (non-condensing)	
Salt fog	Wind driven rain	
Earth quake	Impact / Vibration / Torque	
Bonding / Grounding	Thermal Shock	
Dielectric	Fire Resistance Cast Aluminum	
High Temp Mold	Sand and Dust	