

Westell WME920-4 4-Position Weatherproof Mounting Enclosure

CLEI* Code: NCM2NRNDRA

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1. GENERAL

1.1 Document Purpose

This document describes the Westell WME920-4 Weatherproof Mounting Enclosure, shown in Figure 1.

See Table 1 for information concerning other models in the same product family.

- NOTE -
Hereafter, the WME920-4 Weatherproof Mounting Enclosure will be referred to as the "WME920-4".

1.2 Document Status

Whenever this practice is updated, the reason will be stated in this paragraph.

1.3 Product Purpose and Description

The Westell WME920-4 is a 4-slot outdoor Weatherproof Mounting Enclosure that houses up to four 200 MECHANICS® or 400-type Network Channel Termination (NCTE) units. The WME920-4 is intended for mounting to the horizontal rails of a Remote Terminal (RT) cabinet. It also provides prewired cables at the bottom of the enclosure for making facility and drop-side connections. The WME920-4 is equipped with three-pin gas-tube protection on the facility side of the circuit.

1.4 Product Mounting

Installation consists of mounting the assembly, properly grounding the enclosure, making the facility and drop-side connections and installing the appropriate NCTE modules in the card cage.



Figure 1. Front View of WME920-4 Weatherproof Mounting Enclosure

1.5 Product Features

The WME920-4 offers the following features.

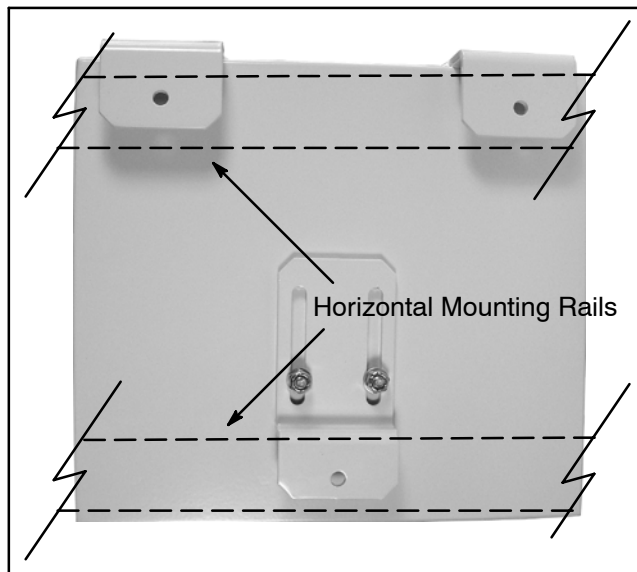


Figure 2. View of Rear Mounting Brackets

- 4-position card cage; supports four 200 MECHANICS® units or 400-type units with standard 56-pin card-edge connectors
- Cable stubs for facility and drop-side connections
- Facility-side surge protection
- Tamper resistant for authorized Telco personnel only via a 216-type can wrench lock

2. INSTALLATION

Installation consists of inspecting the equipment for damage, following proper safety precautions, mounting the WME920-4 on a wall, pedestal or pole, verifying the presence of power and signalling.

The following paragraphs provide detailed instructions for performing these procedures.

- INSPECTION NOTE -

If not previously inspected at the time of delivery, visually inspect the unit for damages prior to installation. If the equipment has been damaged in transit, immediately report the extent of the damage to the transportation company and to Westell (see Part 4 for telephone number).



CAUTION - STATIC-SENSITIVE



This product contains static-sensitive components! Proper electrostatic discharge procedures must be followed to maintain personal and equipment safety. Do not store units near magnetic, electromagnetic or electrostatic fields. Always store or ship units in the original static-protective packaging from Westell. Use anti-static mats when working on units.

- PRECAUTIONARY STATEMENT -

Never install telephone wiring during a lightning storm.
Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
Use caution when installing or modifying telephone lines.

2.1 Pre-Mounting Considerations

2.1.1 Important Safety Instructions (Please Save)

When using your telephone/telecommunications equipment, basic safety instructions should always be followed to reduce risk of fire, electric shock and injury to person, including the following:

- A. Read and understand all instructions.

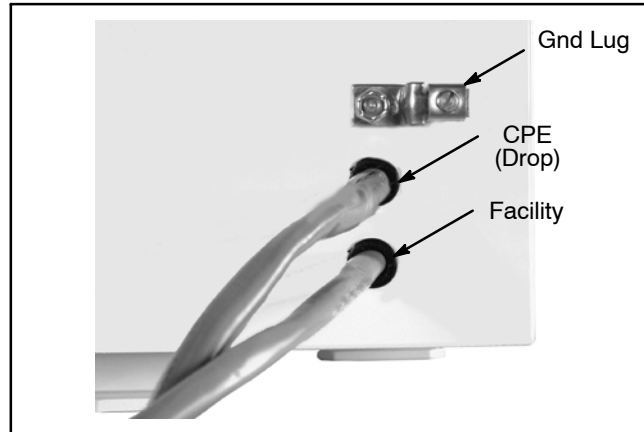


Figure 3. Bottom View of Enclosure

- B. Follow all warnings and instructions marked on product.
- C. Do not place this product on an unstable cart, stand or table: the product may fall, causing serious damage to product.
- D. Slots and openings in the cabinet and the back or bottom are provided for ventilation. To protect it from overheating, these openings must not be blocked or covered. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.
- E. This product should be operated only from the type of power source indicated on the marking label.
- F. Never push object of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in the risk of fire or electrical shock. Never spill liquid of any kind on the product.

2.1.2 Gathering Tools and Supplies

The following tools and supplies are required to mount the WME920-4.

- Standard hand tools

2.2 Mounting the Assembly

2.2.1 Mounting on a Remote Terminal

The WME920-4 is rail mounted in a remote terminal cabinet. Holes in the mounting bracket will accommodate bolts to mount the unit to the horizontal rails of the RT, as shown in Figure 2. Use the two top holes as a template for mounting the assembly. The lower mounting hole is adjustable. Follow local practices to mount the assembly.

2.3 Power Connections

External Power connections may be connected to TB1, located on the circuit board, shown in Figure 4.

2.4 Chassis/Frame Ground Connections

An external approved ground must be connected to the ground lug located on the bottom of the enclosure. The chassis, internal ground lugs and circuit ground for the modules are factory wired to the external ground lug for proper operation.

2.5 Interface Connections

Installer connections are made by connecting the cable pairs extending through the bottom of the enclosure, see Figure 3. Refer to the label in the enclosure (See Figure 5) for wiring information.

Using a 216-type can wrench, loosen the front-door and open the enclosure. This will allow easy access to the 56-pin connectors for inserting modules into the enclosure. After all installer connections are made and the modules are inserted into the card cage, close the door and tighten down the door screw all the way to ensure a weathertight seal.

2.6 Module Installation

Before installing modules, set any option switch(es) to the desired position(s). Align the module with the mounting or assembly card guides above and below the unit and insert as far as it will go into the slot connector.

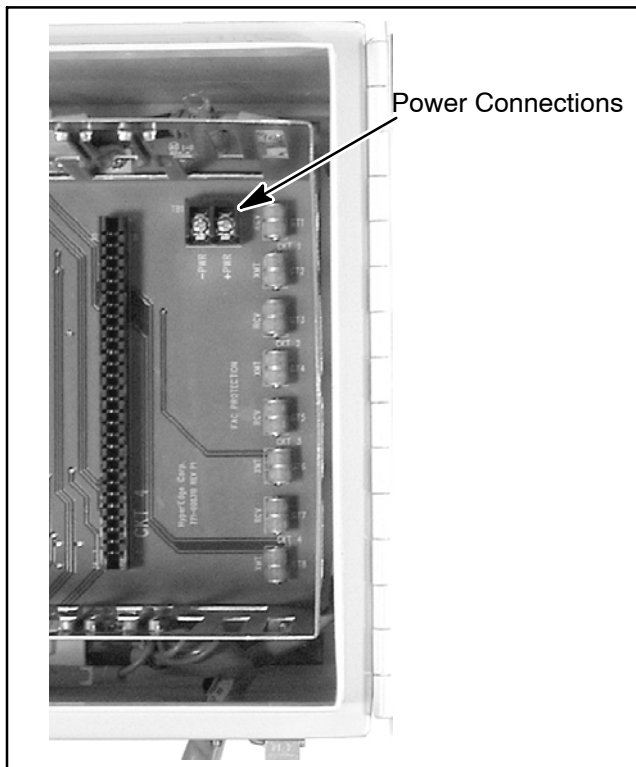


Figure 4. Terminal Block Location

- CAUTION -

Use care when installing and removing modules - *do not force a module into place. If a module resists insertion, remove it and check for obstructions in or near the module's or shelf's connectors and mounting slots. The module may then be carefully aligned and gently re-inserted.*

3. TESTING & TROUBLESHOOTING

3.1 Testing

This equipment should not be field repaired. If the equipment is suspected of being faulty, replace it with another unit, optional identically, and retest. If the replacement unit appears to operate correctly, the original unit may be faulty and should be returned to Westell for repair or replacement (Paragraph 5.2).

3.2 Troubleshooting

If trouble is encountered, verify all installer connections to the assembly and check that the CO power fuse is not blown. Also verify all module connections and option switch settings, and verify the modules are making a positive connection with the shelf connector. If trouble persists, replace the suspect unit and repeat procedures outlined. These procedures are not designed to effect repairs or modifications. Any tests beyond those outlined herein, or repairs made beyond replacing a faulty unit, are not recommended and may void the warranty.

4. CUSTOMER & TECHNICAL SERVICES

4.1 Customer Service & Technical Assistance

If technical or customer assistance is required, contact Westell by calling or using one of the following options:

Voice: (800) 377-8766
email: global_support@westell.com

Visit the Westell World Wide Web site at <http://www.Westell.com> for additional information about Westell.

4.2 Part Numbers

This equipment is identified by a product number (WME920-4), which consists of three parts: the assembly type (WME – Weatherproof Mounting Enclosure) and model number (920-4).

5. WARRANTY & REPAIRS

5.1 Warranty

Westell warrants this product to be free of defects at the time of shipment. Westell also warrants this product to be fully function-

al for the time period specified by the terms and conditions governing the sale of the product. Any attempt to repair or modify the equipment by anyone other than an authorized Westell representative will void the warranty.

unit, freight prepaid, along with a brief description of the problem, to:

5.2 Repair and Return

Westell will repair or replace any defective Westell equipment without cost during the warranty period if the unit is defective for any reason other than abuse, improper use, or improper installation. Before returning the defective equipment, first request a Return Material Authorization (RMA) number from Westell. Once an RMA number is obtained, return the defective

Westell, Inc.
 ATTN: R.G.M. Department
 880 Enterprise St.
 Suite D
 Aurora, IL 60504-7940

Replacements will be shipped in the fastest manner consistent with the urgency of the situation. Westell will continue to repair or replace faulty equipment beyond the warranty period for a nominal charge. Contact Westell for details.

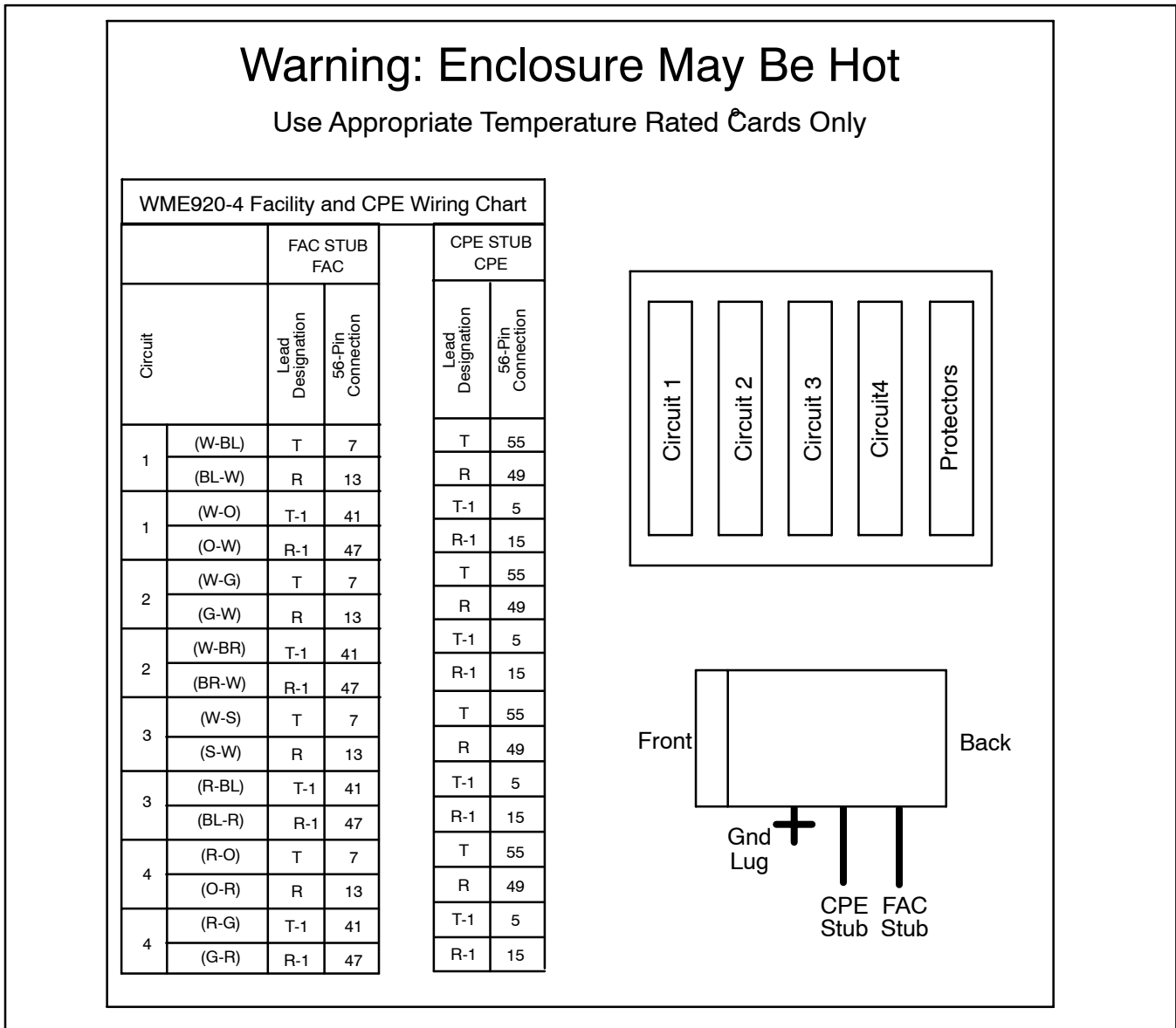


Figure 5. WME920-4 Interior Label

6. SPECIFICATIONS

6.1 Regulatory/Agency Specifications

The WME920-4 module is designed to meet the following regulatory, safety, or environmental specifications or requirements:

- NRTL Listed

6.2 Ordering Specifications

To order units, call the telephone number shown in Paragraph 4.1 and please specify a specific model number shown in Table 1.

Model #	Description
WME920-4	4-position Weatherproof Mounting Enclosure (Factory Wired) <i>CLEI* Code: NCM2NRNDRA; Barcode/ECI: 448196; CPR: N70907.</i>
801-000470	Gas Tube Replacements (4)

*CLEI is a trademark of Telcordia Technologies.

Table 1. Ordering and Option Information

6.3 Electrical and Physical Specifications

The physical specifications are shown in Table 2.

Physical Feature	U.S.	Metric
Height	12 in.	30.48 cm
Width	11.5 in.	29.21 cm
Depth	4.5 in.	11.43 cm
Weight (approx.)	7 lbs.	3.18 kg
Operating Temp.	-40° to 149°F	-40° to 65°C
Humidity	0 to 95% (non-condensing)	
Material	Aluminum; Stainless Steel Hardware	

Table 2. Physical Specifications