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MSEX, CMEXR, METSR  
CEILING/WALL SURFACE & RECESS MOUNT EXIT SIGNS

## INSTALLATION INSTRUCTIONS

### IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed, including the following:

### READ AND FOLLOW ALL SAFETY INSTRUCTIONS

DO NOT MOUNT NEAR HEATERS OR HOT SURFACES. EQUIPMENT SHOULD BE MOUNTED IN LOCATIONS AND AT HEIGHTS WHERE IT WILL NOT BE READILY SUBJECT TO TAMPERING BY UNAUTHORIZED PERSONNEL.

THE USE OF ACCESSORY EQUIPMENT NOT RECOMMENDED BY THE MANUFACTURER MAY CAUSE AN UNSAFE CONDITION. DO NOT USE THIS EQUIPMENT FOR OTHER THAN INTENDED USE. SERVICING OF THIS EQUIPMENT SHOULD BE PERFORMED BY QUALIFIED PERSONNEL.

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED. DISCONNECT POWER TO ALL CIRCUITS BEFORE WIRING FIXTURE. INSTALL IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL CODES. DO NOT CONNECT TO AN UNGROUNDED SUPPLY. READ ALL

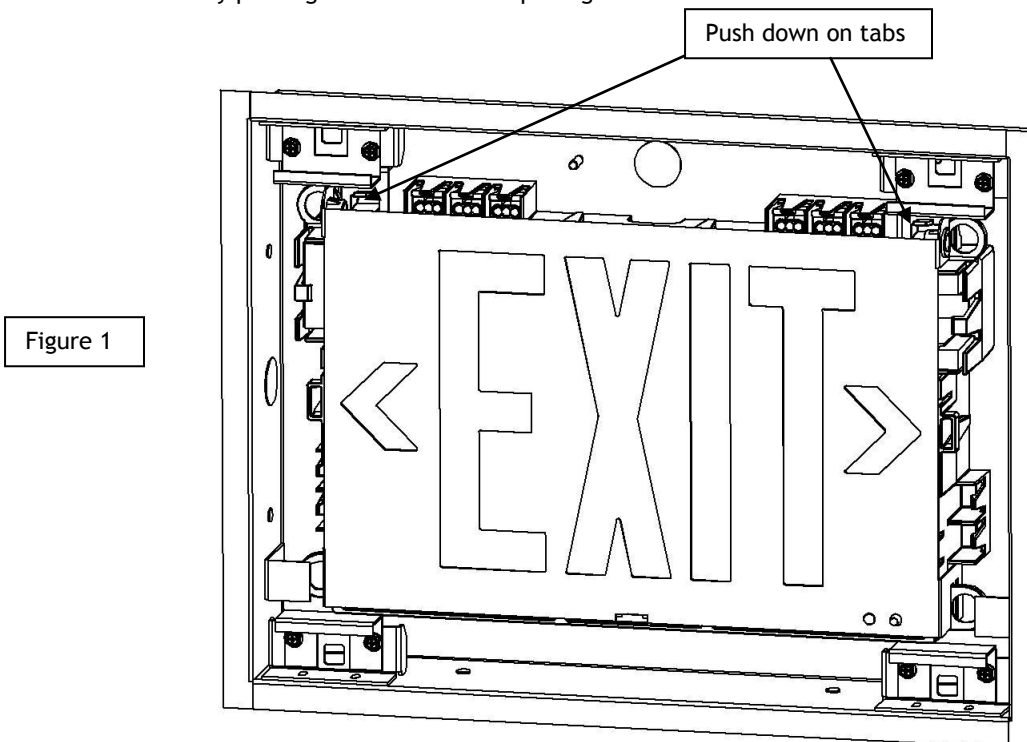
FIXTURE MARKINGS AND LABELS TO ENSURE CORRECT INSTALLATION OF FIXTURE. SUPPLEMENTAL INSTRUCTIONS MAY BE LOCATED ON THE FIXTURE, IN ADDITION TO THIS INSTRUCTION SHEET, REGARDING ORIENTATION, OR MOUNTING RESTRICTIONS.

### SAVE THESE INSTRUCTIONS

## INSTALLATION

### All Mounting Types (Figure 1)

Remove ELECTRICAL CHASSIS by pushing down on tabs and pulling out.



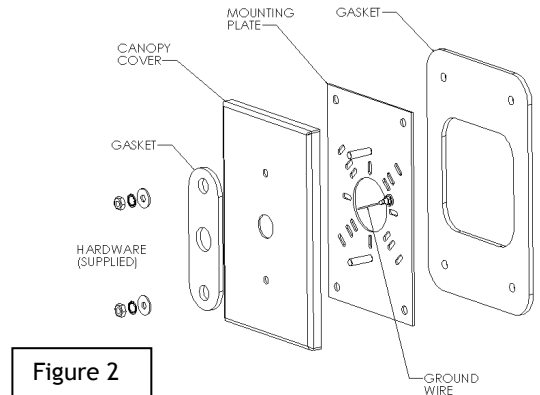
Install HOUSING as outlined on the following pages.

## INSTALLATION (cont'd)

### MMEX

**Wall Mounting:** Locate and remove (4) 5/16" dia. knockouts and (1) 7/8" dia. knockout on back surface of HOUSING. Place HOUSING over an installed electrical junction box. Locate and drill (4) pilot holes in mounting surface using HOUSING as template. For wet location installation, remove tear-off sections of self-adhesive pad GASKET and attach to HOUSING. Using 1/4-20 fasteners and anchors suitable for the mounting surface (not supplied), attach HOUSING to structure.

**Canopy Mounting (Figure 2):** Locate and remove (2) 5/16" dia. knockouts and (1) 7/8" dia. knockout either from end (for side canopy mounting) or top (for top canopy mounting) of fixture. Place MOUNTING PLATE over an installed electrical junction box (slotted holes provided for temporary j-box attachment prior to permanent mounting). Locate and drill (4) pilot holes in mounting surface using MOUNTING PLATE as template. For wet location installation, attach self-adhesive pad GASKET to MOUNTING PLATE. Using 1/4-20 fasteners and anchors appropriate for the mounting surface (not supplied), attach MOUNTING PLATE to structure. Connect supply ground to GROUND WIRE provided. For wet location installation, attach self-adhesive pad GASKET to CANOPY COVER. Using HARDWARE provided, attach CANOPY COVER and HOUSING to CANOPY MOUNTING PLATE.



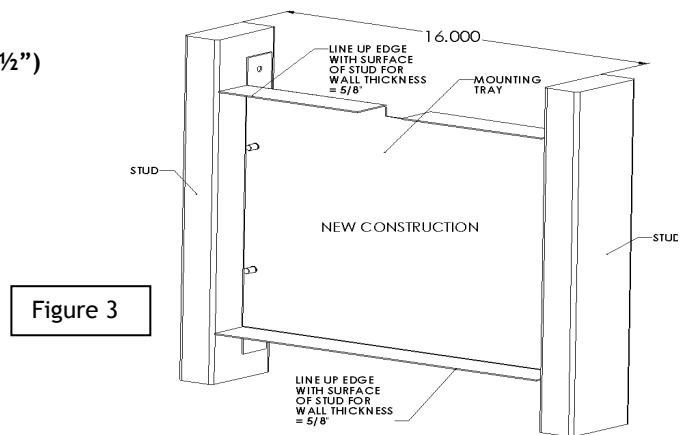
### METSR (stud spacing 16" - rough opening 10 3/4" x 14 1/2")

**Mounting:** Locate and remove appropriate (4) 5/16" dia. mounting holes. Locate and remove appropriate (1) 7/8" hole for supply wire entry. Place HOUSING over rough opening. Using 1/4-20 fasteners and anchors suitable for the mounting surface (not supplied), attach HOUSING to structure. Attach conduit to HOUSING.

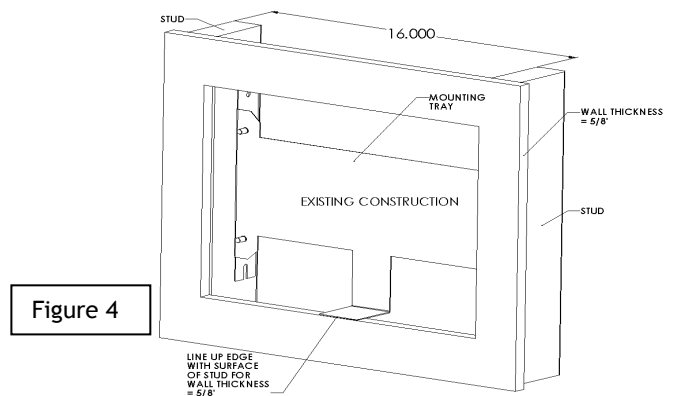
### CMEXR

(Wall thickness 5/8" - stud spacing 16" - rough opening 10 3/4" x 14 1/2")

**Mounting-New Construction:** Place the mounting tray as shown in figure 3. Locate and drill (4) pilot holes in mounting surface using MOUNTING TRAY as template. Secure with fasteners and anchors suitable for the mounting surface (not supplied). Place HOUSING over rough opening. Line-up (4) holes in HOUSING with studs on MOUNTING TRAY; secure with provided hardware. Attach conduit to HOUSING.



**Mounting-Existing Construction:** Place the mounting tray as shown in figure 4. Locate and drill (4) pilot holes in mounting surface using MOUNTING TRAY as template. Secure with fasteners and anchors suitable for the mounting surface (not supplied). Place HOUSING over rough opening. Line-up (4) holes in HOUSING with studs on MOUNTING TRAY; secure with provided hardware. Attach conduit to HOUSING.



## WIRING

Remove stencil assembly from ELECTRICAL CHASSIS. Configure DIRECTIONAL ARROWS as needed by removing metal plate(s). Install ELECTRICAL CHASSIS.

Route supply wires up through center access slot (if wall mounted) or around ELECTRICAL CHASSIS and connect to appropriate push-in connectors (figure 5).

Lead color coding:

White= Neutral

Black= 120V

Orange= 277V

Blue= 347V

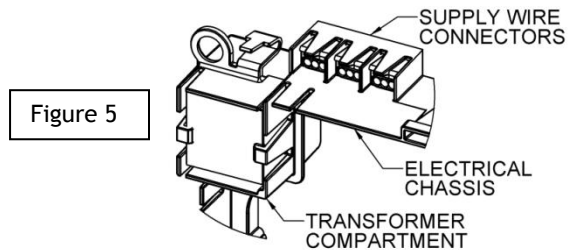


Figure 5

If applicable; connect remote load to TERMINAL BLOCK located on PRINTED CIRCUIT BOARD ASSEMBLY. Refer to chart for maximum allowable loads (figure 6).

REMOTE EXIT VOLTAGE DROP TABLE						
WIRE SIZE	#18	#16	#14	#12	#10	#8
	LENGTH OF WIRE RUN (FEET)					
1 SIGN ON WIRE RUN	89	141	227	361	574	914
4 VOLT SYSTEM MAXIMUM VOLTAGE DROP 5%						

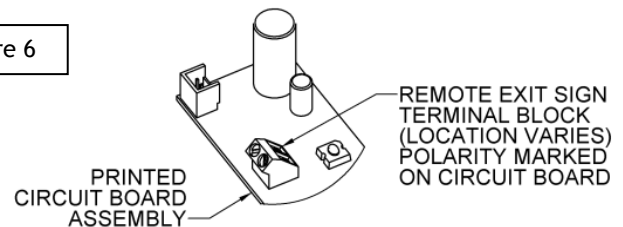


Figure 6

**CAUTION: TO AVOID ELECTRICAL OVERLOAD, TOTAL CONNECTED LAMP LOAD (FACTORY AND FIELD INSTALLED) SHOULD NOT EXCEED FITURE OUTPUT RATING. USE ONLY WITH KENALL REMOTE EXIT SIGNS. MAXIMUM NUMBER OF REMOTE EXIT SIGNS = (1). OUTPUT IS 4VDC. ALWAYS OBSERVE CORRECT POLARITY.**

## CONCLUSION

Attach configured stencil assembly to ELECTRICAL CHASSIS.

Install DOOR to HOUSING using provided fasteners.

## CUSTOMER SERVICE

For technical assistance, call 1-800-4KENALL (1-800-453-6255)