**SECTION 10 17 16**

**TELEPHONE ENCLOSURES**

**PART 1 GENERAL**

**1.01 SUMMARY**

1. Equipment and materials used shall be standard components that are manufactured and available for purchase as standard replacement parts as long as the product is commercially available from the manufacturer.

**1.02 QUALITY ASSURANCE**

1. All surface mount installation, configuration, setup, program and related work shall be performed by electronic technicians thoroughly trained by the manufacturer in the installation and service of the equipment provided.
2. The surface mount shall be warrantied against any defects in material and workmanship under normal use for a period of five (5) years from date of installation, provided that manufacturer receives a completed "Installation Certification" certifying the date on which the system has been installed. An "Installation Certification" card shall be enclosed with every unit. In the event that no "Installation Certification" is received by manufacturer, the five (5) years will commence on the date of shipment by the manufacturer.

**1.03 CERTIFICATIONS AND STANDARDS**

1. The surface mount shall have a Nationally Recognized Testing Laboratory (NRTL) recognized component mark that indicates:
	1. Conformance to ANSI/UL Standards 60950-1 and 60950-22.
	2. Certification to CAN/CSA Standard C22.2 Nos. 60950-1 and 60950-22.

**PART 2 PRODUCTS**

**2.01 GENERAL**

1. The surface mount shall:
	1. Consist of a vandal resistant, pole or wall mountable, SAE 304 stainless steel call station mount.

**2.02 HARDWARE**

1. The surface mount shall:
	1. Be constructed of 0.06” thick SAE 304 stainless steel and weigh approximately 4.4 lbs.
	2. Measure: 8.9” W x 11.9” H x 3.4” D.
	3. Have four 0.25” diameter mounting holes on the rear of the enclosure.
	4. Have one 1 1/8” knockout on the rear of the enclosure for 3/4” conduit.
	5. Have one 1 1/8” knockout on the underside of the enclosure for 3/4” conduit.
	6. Utilize a high-gloss, corrosion-inhibitive coating that shall be applied to withstand prolonged exposure to hard environments.
		1. Surface mount shall be submerged in a Mil-Spec C-5541 Clear RoHS compliant anodyne bath to a thickness of 2-3 mils.
		2. Surface mount shall be hand sanded for smoothness, welds inspected, and sharp edges removed if necessary.
		3. Surface mount shall have a 2-4 mil layer of customer specified powder color applied.
		4. Surface mount shall be cured at 400°F for 15 minutes before final visual inspection.
2. The surface mount shall have an opening in the front to accommodate flush mounting a call station and provide wiring access. The call station opening shall:
	1. Measure 10.5” H x 6.75” W.
	2. Have six self-clinching #10-24 stainless steel threaded nuts to mount the call station.
3. The surface mount shall have the word “EMERGENCY” emblazoned on the two radial sides in 0.75” high reflective black letters. Custom lettering, sizes, and colors are available.

**2.03 MANUFACTURED UNITS**

1. The surface mount shall be a Talkaphone ETP-SM-1 Call Station Surface Mount.

**PART 3 EXECUTION**

**3.01 INSTALLATION**

1. The Contractor shall carefully follow instructions in documentation provided by the manufacturer to ensure all steps have been taken to provide a reliable, easy-to-operate system.
2. All equipment shall be tested and configured in accordance with instructions provided by the manufacturer prior to installation.

**END OF SECTION**