**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 wall mount installation, configuration, setup, programming, 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 wall mount shall be warrantied against any defects in material and workmanship under normal use for a period of five (5) years beginning on the earlier of (1) sale to an end customer, or (2) six months after the date of shipment by the manufacturer.
3. The LED blue light and LED panel light shall be warrantied against any defects in material and workmanship under normal use for a period of two (2) years beginning on the earlier of (1) sale to an end customer, or (2) six months after the date of shipment by the manufacturer.

**1.03 CERTIFICATIONS AND STANDARDS**

1. The wall 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.
2. The included LED blue light (model: ETP-EL or ETP-EL12/24) shall be listed to the following standards:
	1. UL Std 1598
	2. CSA Std C22.2 No. 250.0
3. The included LED panel light shall be a NRTL recognized component to the following standards:
	1. UL Std 1638
	2. CSA 22.2 No. 205-M1983

**PART 2 PRODUCTS**

**2.01 GENERAL**

1. The wall mount shall:
	1. Consist of a vandal-resistant, pole or wall mountable, SAE 316 stainless steel call station mount with an integrated flashing LED blue light.
	2. Have an integrated LED panel light, mounted directly above the call station faceplate.

**2.02 HARDWARE**

1. The wall mount shall:
	1. Be constructed of SAE 316 marine grade stainless steel and weigh approximately 41 lbs.
	2. Measure 10.7” W x 8.1” D x 31.9” H, with a 1.5” radius on each corner.
	3. Have four 0.28” diameter mounting holes on the rear of the enclosure.
	4. Have two (2) knockouts on the rear of the enclosure for either 1/2" or 3/4” conduit.
	5. Have two (2) knockouts on the underside of the enclosure for either 1/2" or 3/4” conduit.
2. The wall mount shall have an opening in the front to accommodate flush mounting a call station. The call station opening shall:
	1. Measure 10.25” H x 7.00” W.
	2. Have six self-clinching #10-24 stainless steel threaded nuts to mount the call station.
3. The wall mount shall have the word “EMERGENCY” emblazoned on all two sides in 2.00” high reflective red letters. Custom lettering, sizes, and colors are available.
4. The LED blue light shall:
	1. Be mounted within an enclosed protective polycarbonate housing.
	2. Have a polycarbonate refractor lens assembly with a prismatic pattern to increase visibility at greater distances.

**2.03 FUNCTIONALITY**

1. LED Blue Light
	1. The blue light shall remain lit at all times.
	2. The blue light shall automatically flash 78 times per minute when triggered by the call station.
	3. The LED blue light shall have an illumination rating of 209 lumens (peak).
	4. The blue light shall retain 70% of its initial output intensity after 50,000 hours of operation.
2. LED Panel Light
	1. The LED panel light shall remain lit at all times.
	2. The LED panel light shall have a concealed, ultra-bright LED design.
	3. The LED panel light shall have no less than a 50,000-hour lifetime.

**2.04 POWER REQUIREMENTS**

1. The wall mount shall be powered by one of the following power sources:
	1. 120VAC, 50/60Hz, 9.0 Watts (nominal)
	2. 24VAC, 50/60Hz, 9.0 Watts (nominal)
	3. 12VDC, 9.0 Watts (nominal)
	4. 24VDC, 9.0 Watts (nominal)

**2.05 MANUFACTURED UNITS**

1. The mount shall be a Talkaphone ETP-WM Call Station Wall 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**