Some emergency or entry phone applications demand extra protection. Phones that are mounted outside exposed to precipitation, condensation, in salty air near the ocean, exposed to a corrosive atmosphere or vehicle exhaust all need an extra measure of weather and corrosion resistance. See “Does my installation require Enhanced Weather Protection” below.

Our EWP (Enhanced Weather Protection) phones are designed with total reliability in mind. First, we use internally-sealed push button switches, trim pots and DIP switches so you can adjust microphone and speaker volumes and set programming features right at the installation site.

Then we hand seal the connections at the push button switch, microphone, and LED using a special non-corrosive sealant. We use a special microphone boot that acts as a shield against water penetration. A mylar speaker is used with foam rubber mounting gasket. Closed cell foam gasketing is used behind front panels to prevent water penetration.

Finally we "Pot" the entire board in a clear flexible urethane or amber thermoplastic encapsulating material leaving the internally sealed field-adjustable trim pots and DIP switches accessible. Our potting material allows the circuit board and it's components to expand and contract, while maintaining weather resistance. To protect the tip and ring connections, we include connectors filled with anti-corrosive sealing gel.

Features

• Urethane or thermoplastic potting material for:
  - Maintaining flexibility at low temperatures
  - Excellent electrical insulation
  - Low stress on sensitive components
  - Unaffected by moisture at high temperatures
  - Thermal cycling ability
  - Hydrolytic stability
  - No shrinkage
• EWP products are designed to meet an Ingress Protection Rating of IP66
• Internally sealed push button switch, dip switches and volume control pots
• All wire connections are watertight sealed
• Mylar speaker with weather-proof foam rubber gasket
• Closed cell foam gasketing to prevent water penetration
• Weatherproof connectors filled with anti-corrosive sealing gel
• Back side of LED and microphone are encapsulated in watertight sealant

Does my installation require Enhanced Weather Protection?

If you answer “yes” to one or more of the following statements, we recommend a Viking emergency or entry phone with EWP (Enhanced Weather Protection).

1. The product is located outside where it is exposed to precipitation or condensation.
2. The product is mounted near an indoor swimming pool or spa.
3. The product wire runs use conduit which could funnel warm inside air to the product mounted outside, causing condensation on the circuit board.
4. The product is mounted in a location with a known corrosive atmosphere.
5. The product is mounted in a parking garage with vehicle exhaust.
6. The temperature of the product can get below the dew point.

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Due to the dynamic nature of the product design, the information contained in this document is subject to change without notice. Viking Electronics, and its affiliates and/or subsidiaries assume no responsibility for errors and omissions contained in this information. Revisions of this document or new editions of it may be issued to incorporate such changes.

Model | DOD # | Description
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BLK-3-EWP | 653 | Line Status Strobe Light Kit
BLK-4-EWP | 654 | LED Strobe Light Kit with Steady-On Feature
E-10A-EWP | 210 | Flush Mount Speaker Phone
E-20B-EWP | 210 | Surface Mount Speaker Phone
E-1600A-EWP | 215 | Red ADA Compliant Handsfree Emergency Phone
E-1600-02A-EWP | 215 | Stainless Steel ADA Compliant Handsfree Emergency Phone
E-1600-03B-EWP | 215 | Stainless Steel ADA Compliant Handsfree Emergency Phone
E-1600-20A-EWP | 215 | Two-Button ADA Compliant Handsfree Emergency Phone
E-1600-30A-EWP | 215 | Stainless Steel ADA Compliant Handsfree Emergency Phone
E-1600-40A-EWP | 215 | ADA Compliant Handsfree Emergency Phone
E-1600-45A-EWP | 215 | Yellow ADA Compliant Handsfree Emergency Phone
E-1600-50A-EWP | 215 | No-Chassis ADA Compliant Emergency Phone Kit
E-1600-52A-EWP | 215 | No-Chassis Two-Button ADA Compliant Emergency Phone Kit
E-1600-55A-EWP | 215 | Universal Emergency Phone Kit
E-1600-60A-EWP | 215 | Blue ADA Compliant Handsfree Emergency Phone
E-1600A-BLT-EWP | 217 | Yellow Emergency Tower Phone with Strobe Light
E-1600A-BLT2-EWP | 217 | Two-Button Emergency Tower Phone with Strobe Light
E-1600A-TP-EWP | 215 | Replacement Phone for Talk-A-Phone Applications
E-1600A-TP2-EWP | 215 | Two Button Replacement Phone for Talk-A-Phone Applications
E-30-EWP | 212 | Stainless Steel Handsfree Phone
E-30-PT-EWP | 214 | Stainless Steel Handsfree Phone with Push-To-Talk Button
E-35-EWP | 178 | Stainless Steel Handsfree Video Speaker Phone
E-40-EWP Series | 187 | Compact Entry Phones in 5 Finishes
E-50-EWP Series | 191 | Compact Video Entry Phones in 5 Finishes
E-60-EWP Series | 206 | Double Gang Entry Phones in 5 Finishes
E-65-EWP Series | 203 | Double Gang Video Entry Phones in 5 Finishes
E-70-EWP Series | 207 | Double Gang Entry Phones with Proximity Card Reader
E-75-EWP Series | 208 | Double Gang Video Entry Phones with Proximity Card Reader
K-1200-EWP | 182 | 12 Button Apartment Entry Phone
K-1205-EWP | 183 | 12 Button Apartment Entry Phone with Camera
K-1700-3-EWP | 157 | Stainless Steel Handsfree Phone with Keypad
K-1705-3-EWP | 159 | Stainless Steel Video Entry Phone with Keypad
K-1900-7-EWP | 360 | Stainless Steel Hot-Line Phone
K-1900-8-EWP | 362 | Stainless Steel Hot-Line Phone with Keypad
PRX-1 | 221 | Proximity Card Reader
PRX-2 | 219 | Keypad with Proximity Card Reader
PRX-3 | 228 | Medium Range Proximity Card Reader
PRX-4 | 199 | Wiegand Keypad
VCAM-1/IR | 190 | Replacement cameras
VCAM-2 | 190 | Single Gang Color Video Camera Kit
W-1000-EWP | 170 | Flush Mount Handsfree Doorbox
W-2000A-EWP | 170 | Surface Mount Handsfree Doorbox
W-3000-EWP | 180 | Vandal-Resistant Stainless Steel Doorbox
W-3005-EWP | 181 | Vandal-Resistant Handsfree Video Doorbox

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