# TECHNICAL
## Practice
### TELECOM SOLUTIONS FOR THE 21ST CENTURY

**VE-9x12/VE-9x20**
*Outdoor Enclosures*
April 16, 2013

VIKING

## Added Protection for Your Viking Emergency Phone, Entry Phone, Doorbox or Other Telecom Device

VE-9x20(Y)   VE-9x20(R)   VE-9x20(B)



VE-9x12(Y)   VE-9x12(R)   VE-9x12(B)

The **VE-9x12** and **VE-9x20** provide the ultimate in weather protection for your Viking product or other telecom devices.

These enclosures are constructed of cast aluminum and are made for years of outdoor service. The heavy-duty aluminum doors are labeled "*Telephone*" and have a gasket seal to keep out even the harshest weather. The **VE-9x12** allows you to choose from two panels that allow mounting many different Viking products.

Both the **VE-9x12** and **VE-9x20**

VE-9x20(Y)-0

VE-9x12(R)-0

are available in three high visibility colors: emergency red with silver lettering, safety yellow with red lettering, or black with silver lettering.

## Features

- Designed to meet NEMA/EEMAC Type 4, 4X and 12 requirements
- Heavy-duty 319 cast aluminum construction
- Powder coated for durability and UV stability
- Drip guard and gasket sealed door
- 0.020" thick stamped aluminum "Telephone" label with scratch resistant UV stable clear coat
- ½" NPT conduit openings on top and bottom
- Available in Emergency Red, Safety Yellow or matte Black
- Mounting holes for a standard RJ11 wall plate (**VE-9x12** with adapter panel 1)
- **VE-9x12** available with two adapter panels
- **VE-9x20** comes with a standard adapter panel
- Hardware included with all adapter panels
- Optional **VE-SPG** door return hinge spring available
- Optional **VE-PBL** push button lock and key set available
- **VE-9x12-0** and **VE-9x20-0**: Enclosures without adapter plates for mounting other (non-Viking) telecom products, available in all three colors, label included
- Compatible with these Viking products:

| VE-9x12(R/Y/B)-1 | VE-9x12(R/Y/B)-2 | VE-9x20(R/Y/B) |
|---|---|---|
| - E-20B | - E-10A | - K-1500-7 |
| - E-1600A | - E-30 | - K-1900-7 |
| - E-1600-03B | - E-30-PT | - K-1900-8 |
| - E-1600-60A | - E-35 | |
| - E-1600-45A | - E-60 | R = Red |
| - K-1500P-W | - E-1600-20A | Y = Yellow |
| - K-1900W-2 | - E-1600-30A | B = Black |
| - W-2000A | - W-1000 | |
| | - W-3000 | |

## Applications

- Parking lots
- Maintenance areas
- Building exteriors
- Swimming pools
- Play grounds
- Roadside help areas

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## Specifications

**Dimensions:** See "Specifications," page 2
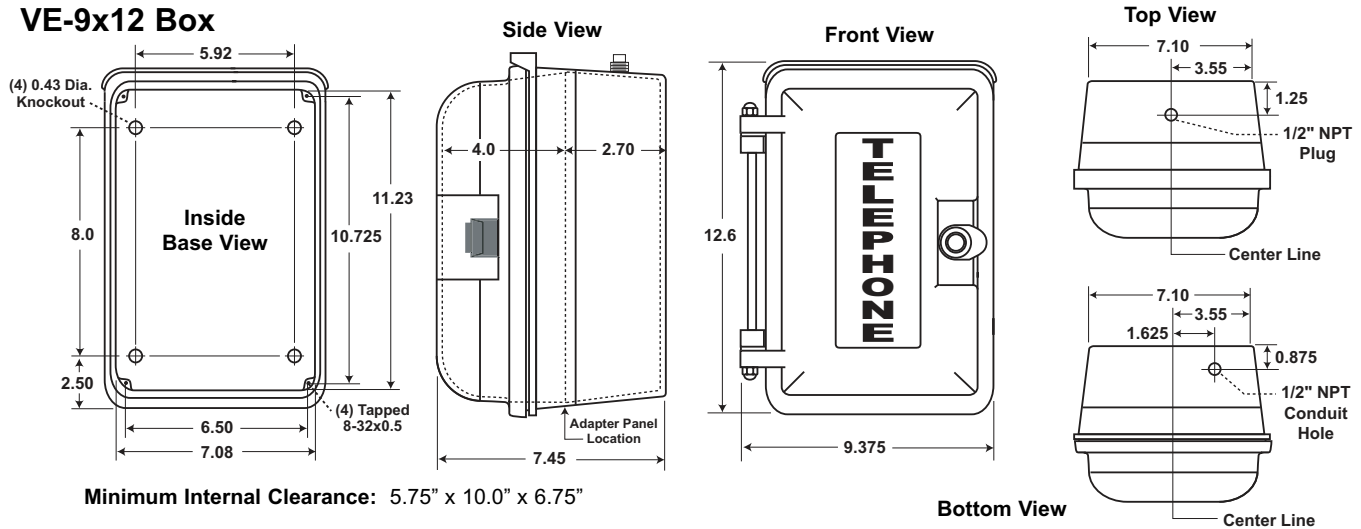**Shipping Weight:** **VE-9x12 -** 5.9 kg (13 lbs), **VE-9x20 -** 7.7 kg (17 lbs)
**Colors:** Red with silver lettering, yellow with red lettering or matte black with silver lettering
**Conduit Opening:** ½" NPT top and bottom with top plug
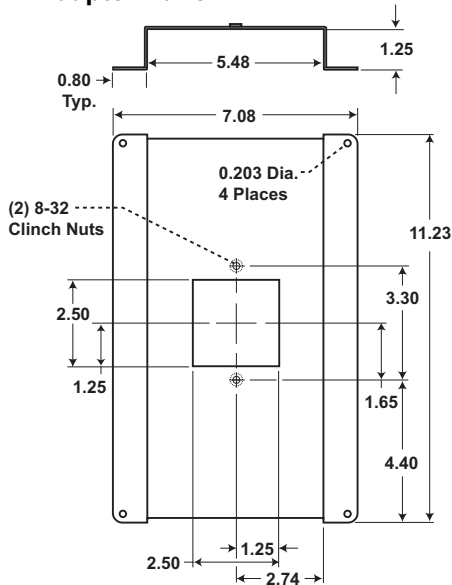**NEMA Rating:** Designed to meet NEMA/EEMAC Type 4, 4X and 12 requirements
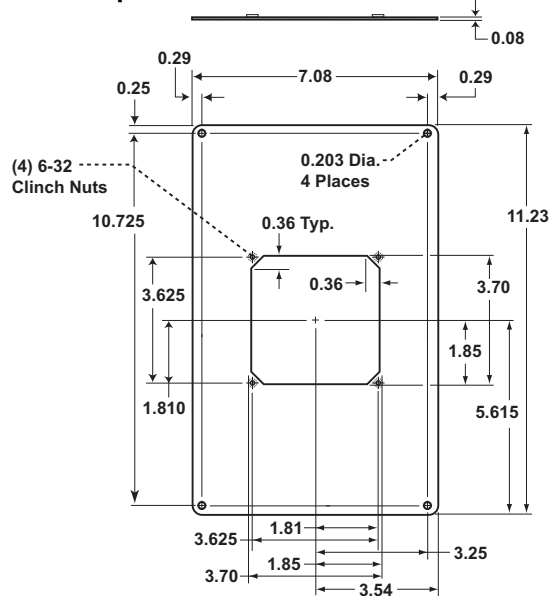
# *Specifications*

## A. VE-9x12 Box



**Minimum Internal Clearance:** 5.75" x 10.0" x 6.75"

## B. VE-9x12 Adapter Panels
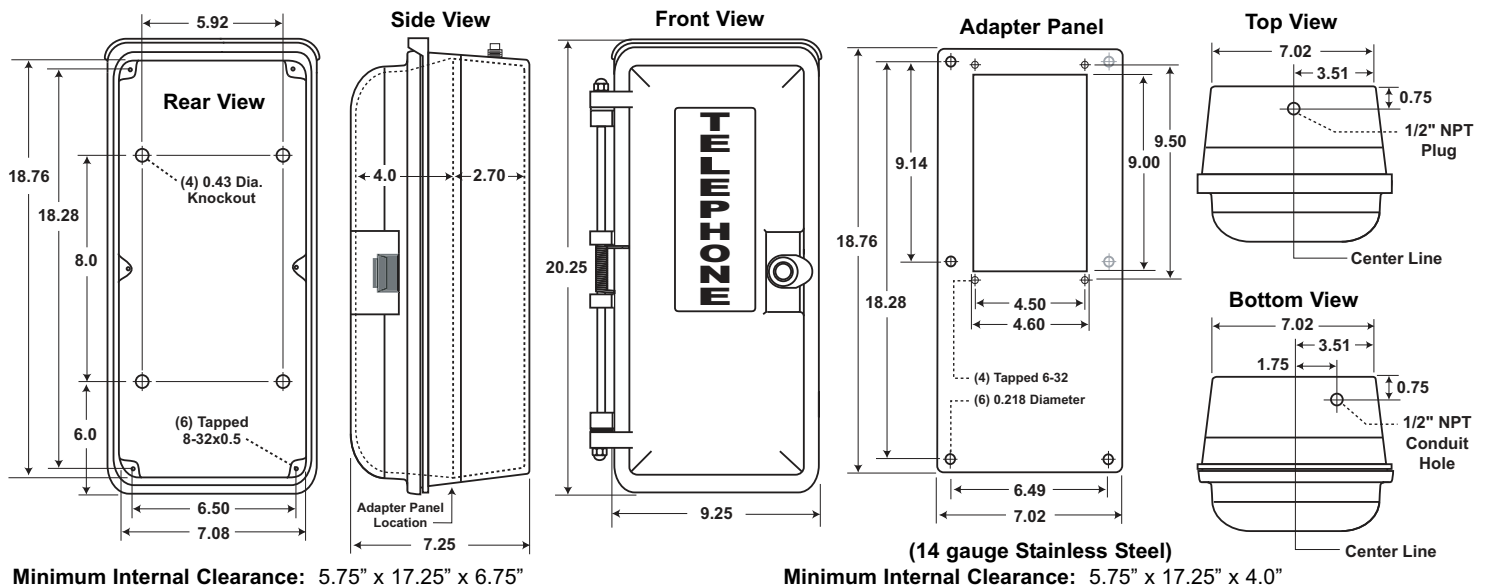
### 1. Adapter Panel 1



**(12 gauge Aluminum Black Powder Paint)**
**Minimum Internal Clearance:** 5.75" x 10.0" x 5.25"

### 2. Adapter Panel 2



**(12 gauge Aluminum Black Powder Paint)**
**Minimum Internal Clearance:** 5.75" x 10.0" x 4.0"

## C. VE-9x20 Box



**Minimum Internal Clearance:** 5.75" x 17.25" x 6.75"

**(14 gauge Stainless Steel)**
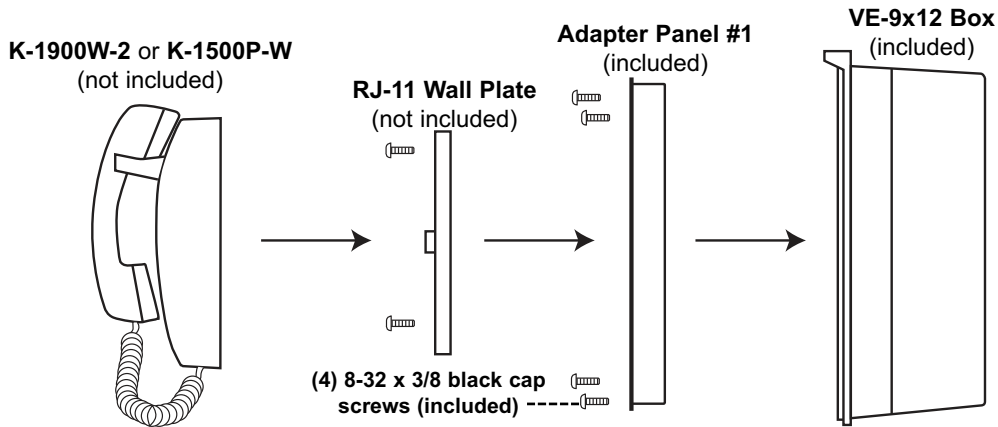**Minimum Internal Clearance:** 5.75" x 17.25" x 4.0"

# *Installation*

## A. Adhering the Optional "Telephone" Label on the VE-9x12-0 or VE-9x20-0

1. Clean the recessed area on the door cover with isopropol alcohol.
2. Make sure the outside edges of the "Telephone" label are not warped upward (re-form if necessary). Remove backing paper, then firmly press label in recessed area on the front cover.
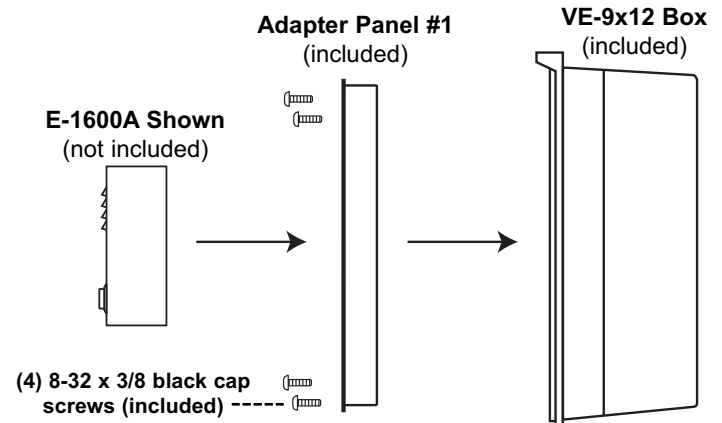
## B. Using the VE-9x12 to mount the K-1900W-2 or K-1500P-W

1. Mount the **VE-9x12** to the wall, or surface desired, using the (4) corner mounting holes.
2. Run the conduit and wiring as appropriate.
3. Attach adapter panel #1 using the (4) included 8-32 x 3/8 black cap screws.
4. Attach a standard RJ11 wall plate (Radio Shack part # 279-451 or equivalent).
5. Attach the **K-1900W-2** or **K-1500P-W** to the RJ11 wall plate.

**K-1900W-2 or K-1500P-W**
(not included)

**RJ-11 Wall Plate**
(not included)

**Adapter Panel #1**
(included)

**VE-9x12 Box**
(included)
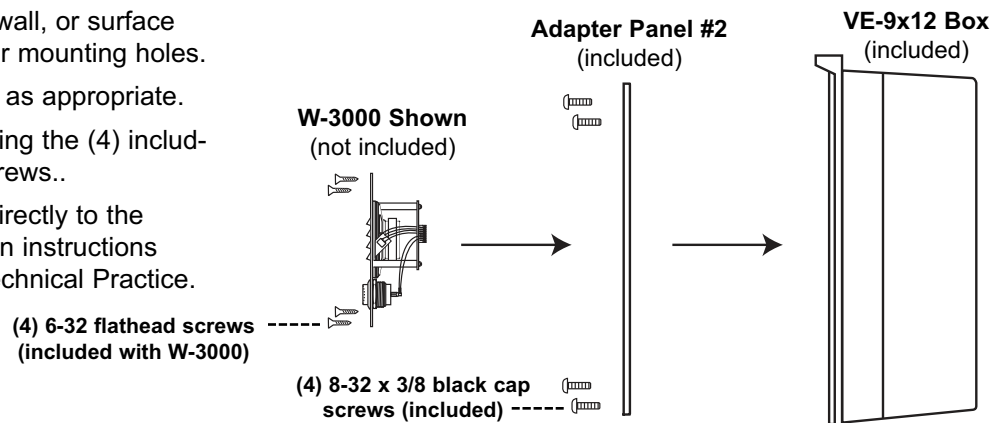
**(4) 8-32 x 3/8 black cap screws (included)**

## C. Using the VE-9x12 to mount the E-20B, E-1600A, E-1600-03B, E-1600-45A, E-1600-60A or W-2000A

1. Mount the **VE-9x12** to the wall, or surface desired, using the (4) corner mounting holes.
2. Run the conduit and wiring as appropriate.
3. Attach adapter panel #1 using the (4) included 8-32 x 3/8 black cap screws.
4. Attach the Viking product directly to the adapter using the installation instructions provided in the product's Technical Practice.

**E-1600A Shown**
(not included)

**Adapter Panel #1**
(included)

**VE-9x12 Box**
(included)

**(4) 8-32 x 3/8 black cap screws (included)**

## D. Using the VE-9x12 to mount the E-10, E-30, E-60, E-1600-20A, W-1000 or W-3000

1. Mount the **VE-9x12** to the wall, or surface desired, using the (4) corner mounting holes.
2. Run the conduit and wiring as appropriate.
3. Attach adapter panel #2 using the (4) included 8-32 x 3/8 black cap screws..
4. Attach the Viking product directly to the adapter using the installation instructions provided in the product's Technical Practice.

**W-3000 Shown**
(not included)

**Adapter Panel #2**
(included)

**VE-9x12 Box**
(included)

**(4) 6-32 flathead screws (included with W-3000)**

**(4) 8-32 x 3/8 black cap screws (included)**

## E. Using the VE-9x20 to mount the K-1500-7, K-1900-7 or K-1900-8

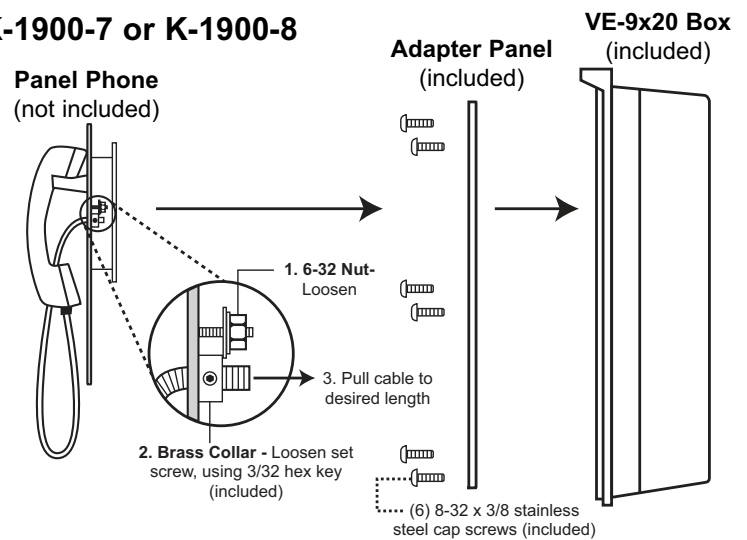1. Remove adapter panel from the **VE-9x20** using the included hex key.

2. Mount the **VE-9x20** to the wall, or surface desired, using the (4) corner mounting holes.

3. Run the conduit and wiring as appropriate.

4. Attach adapter panel.

5. Attach the Viking product directly to the adapter panel using the installation instructions provided in the product's Technical Practice.

*Note: If you wish to shorten the armored cable of the panel phones, you may do so by loosening the 6-32 nut and brass collar located on the back of the stainless steel panel and pulling the cable through to its desired length, then retightening the nut and brass collar (see diagram right).*

**Panel Phone** (not included)

**Adapter Panel** (included)

**VE-9x20 Box** (included)

1. **6-32 Nut-** Loosen

3. Pull cable to desired length

2. **Brass Collar -** Loosen set screw, using 3/32 hex key (included)

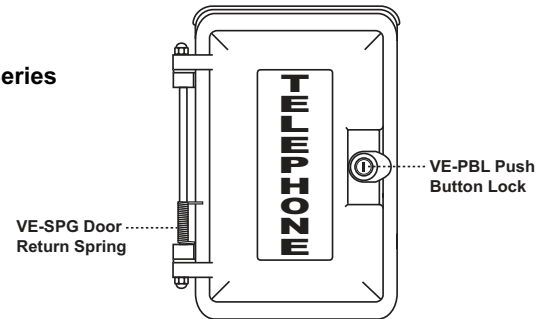(6) 8-32 x 3/8 stainless steel cap screws (included)

*Caution: When warm air comes in contact with cold surfaces, such as outside walls and conduits, it causes condensation. To prevent condensation and moisture from accumulating inside the **VE-9x12** or **VE-9x20** always bring conduit into the bottom of the unit.*

## F. Optional VE-PBL Push Button Lock

An optional **VE-PBL** lock and key set is available if you choose to keep your **VE-Series** phone box locked. Please contact your distributor for pricing and availability.

## G. Optional VE-SPG Door Return Hinge Spring

An optional **VE-SPG** door return hinge spring is available to assure the door is closed after use. Please contact your distributor for pricing and availability.

**TELEPHONE**

**VE-PBL Push Button Lock**

**VE-SPG Door Return Spring**

## H. Compatible Products and Adapter Panels

| Product | DOD# | Description | Model Number | Color | Panel |
|---------|------|-------------|--------------|-------|-------|
| E-10A | 210 | Emergency speaker phone with call button, flush mount. | VE-9x12 | R/Y/B | 2 |
| E-20B | 215 | Emergency speaker phone with push button, surface mount. | VE-9x12 | R/Y/B | 1 |
| E-30 | 215 | Stainless steel handsfree phone with dialer, flush mount. | VE-9x12 | R/Y/B | 2 |
| E-30-PT | 214 | Stainless steel handsfree phone with dialer and push to talk button. | VE-9x12 | R/Y/B | 2 |
| E-35 | 178 | Stainless steel handsfree phone with color video camera. | VE-9x12 | R/Y/B | 2 |
| E-60 | 206 | Double gang entry phone with LED. | VE-9x12 | R/Y/B | 2 |
| E-1600A | 215 | Red ADA compliant handsfree emergency phone. | VE-9x12 | R/Y/B | 1 |
| E-1600-03B | 210 | Stainless steel ADA compliant handsfree emergency phone. | VE-9x12 | R/Y/B | 1 |
| E-1600-30A | 215 | Stainless steel, flush mount ADA compliant handsfree emergency phone. | VE-9x12 | R/Y/B | 2 |
| E-1600-60A | 215 | Blue ADA compliant handsfree emergency phone. | VE-9x12 | R/Y/B | 1 |
| E-1600-45A | 212 | ADA compliant handsfree emergency phone, yellow. | VE-9x12 | R/Y/B | 1 |
| K-1500P-W | 355 | Wall phone with ringer and network. | VE-9x12 | R/Y/B | 1 |
| K-1500-7 | 352 | Vandal resistant stainless steel panel phone. | VE-9x20 | R/Y/B | |
| K-1900W-2 | 360 | Hot-line wall phone with non-volatile memory. | VE-9x12 | R/Y/B | 1 |
| K-1900-7 | 360 | Hot-line vandal resistant stainless steel panel phone. | VE-9x20 | R/Y/B | |
| K-1900-8 | 362 | Hot-line, stainless steel panel phone with keypad and armored cable. | VE-9x20 | R/Y/B | |
| W-1000 | 170 | Weather resistant handsfree doorbox, flush mount. | VE-9x12 | R/Y/B | 2 |
| W-2000A | 170 | Weather resistant handsfree doorbox, surface mount. | VE-9x12 | R/Y/B | 1 |
| W-3000 | 180 | Stainless steel handsfree doorbox, flush mount. | VE-9x12 | R/Y/B | 2 |
| W-3005 | 181 | Stainless steel handsfree doorbox with color video camera. | VE-9x12 | R/Y/B | 2 |

*Product Support Line…715.386.8666*          *Fax Back Line…715.386.4345*