



## **ITEMS INCLUDED**

- **1- Base Station**
- **1- Distribution Module**
- **1- Wiring Harness**

## **INSTALLATION INSTRUCTIONS**

1. For wall mount units install cabinet in desired location. For desk mount install stand (included) on back of unit
2. Mount the Distribution Module and power supply with battery backup in an approved location.
3. Take one end of the Distribution Module Power Cable and plug it into the DC Adapter Port on the Distribution Module and the other end into the AlphaRefuge™ model PWRAPC (12-36 zone) or model PWRAPC112 (56- 112 zone) power supply with battery backup.
4. If 12-36 Zone Remove screws on back of unit and take cover off to expose internal ports.
5. Connecting Command Center to Distribution Module
  - A. The Command Center connects to Card 1 of the Distribution Module. (\*Note: The maximum cable length to Command Center is 6200' for 22 GA cable and 3900' for 24 GA cable.)
  - B. If Command Center includes auxiliary Button Console, or Secondary Station connect to the Distribution Module per the following:
    - i. Button Console 1 or Secondary Station (12-16 Zone): (See pages 4 & 5)
    - ii. Button Console 2 and/or a Secondary Station (28-112 Zone) with Button Consoles(s): Locate additional DKP port(s) on additional card and wire out with appropriate pair for extension on port.
6. Connecting Call Boxes to the Distribution Module
  - A. Call Boxes connect to the Distribution Module via the included wiring harnesses.
  - B. Plug the RJ45 connectors of the wiring harness into the ports of the Module following
  - C. Wire the Locations to single pair 24 or 22 gauge UTP cable, following EIA/TIA Standards. the Diagrams on Pages 4-5.
  - D. Connect the cabling to the Distribution Module (Note: The maximum cable length to Call Boxes is 112,500' for 22 GA cable and 70,300' for 24 GA cable.)
7. Turn on AlphaRefuge™ Power Supply
8. Power On the Distribution Module

## **DISTRIBUTION MODULE PROGRAMMING**

**Note:** All programming for the Distribution Module will be done from the Command Center Handset.

### **Programming Time Zone**

1. Enter programming mode
  - Dial 1#91
  - Enter Password: 7284
2. Dial 1002 (time zone code)
  - Eastern 111
  - Central 112
  - Mountain 113
  - Pacific 114
3. Touch Check Mark Button in middle of Command Center Phone.
4. Exit programming – Dial 00 - Touch Check Mark Button

### **Programming Month – Day – Year**

1. Enter programming mode
  - Dial 1#91
  - Enter Password: 7284
2. Dial 1001 (Month – Day- Year)
  - Example: 1001 04152014 (April 15 2014)
3. Touch Check Mark Button
4. Exit Programming – Dial 00 - Touch Check Mark Button

### **Programming Time**

1. Enter programming mode
  - Dial 1#91
  - Enter Password: 7284
2. Dial 1003 (Hours – Min – Sec)
  - Example: 1003 143000 (2:30 p.m.)
3. Touch Check Mark Button
4. Exit Programming Dial 00 - Touch Check Mark Button

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## **CALL BOX PROGRAMMING**

**Note:** Connect the Call Box to an active Port on Distribution Module and follow the instructions below

### **Call Box Calls the Command Center**

1. For the Call Box to call the Command Center, it must be programmed to dial 0
2. Follow the directions that came with the Call Box to program Memory Location 1 to dial 0

### **Call Box Calls a Number Outside of the Building**

1. For the Call Box to call a number outside the building, it must be programmed to first dial **3931**
2. Follow the directions that came with the Call Box to program Memory Location 1 to dial **3931**

### **Call Box Calls the Command Center First then a Number Outside of the Building**

1. The Call Box can be programmed to call the Command Center first and if that call is not answered, call an outside number.
2. Follow the directions that came with the Call Box to program Memory Location 1 to dial **3931**
3. Then program Memory Location 2 to dial 9, Pause, Pause then the outside phone number.

### **Call Box Location Message**

1. Set Message Frequency to option "3". Record your message. At the end of the message, say "Top Stop Playback, Press The Pound Key"

#### **At the Command Center:**

1. Press **1#91** (Enters Admin Mode)
2. Press **7284** (Admin Password)
3. Press **25011, Checkmark Button** (Enters Message Programming)
4. Press **250201, Checkmark Button**, wait 5 seconds, **Checkmark Button** (records dead air in place of emergency message on Distribution Mode)
5. Press **00, Checkmark Button**.

**NOTE: The silence is to avoid message conflicts. If sound is recorded it will be heard along with locally recorded message.**

## **OPERATING INSTRUCTIONS**

### **Indicator Status**

1. Red LED Light – Incoming call or connected to Outside Party
2. Blue LED Light – Active Call
3. Blue LED Flashing – Call on Hold

### **Answering Call at Command Center**

1. Lift Handset to answer first incoming call.
2. If multiple calls, press Red LED Light of next desired call (this will place original call On Hold)

### **Disconnecting Calls**

1. Select the desired Flashing Blue LED and press \*, #
2. Each call must be disconnected individually.

**Note:** If you hang up handset before disconnecting

each call, LED(s) will remain lit. Lift Handset press lit LED, 5, then \*, # to disconnect, hang up handset. Repeat for each lit LED.

### **Calling a Location**

1. Pick up Handset and press desired Location key (Blue LED will light)

### **Joining an Existing Conversation between Location & Outside Party**

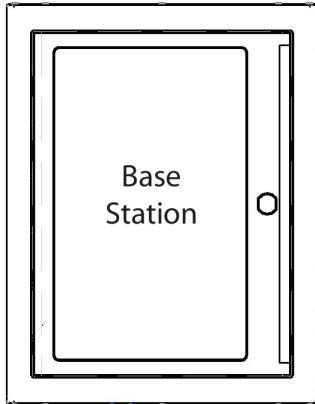
1. Pick up Handset and press Red LED, then 5
2. You will be in a 3-way conversation with the Outside Party and Location

### **Call the Last Phone that Dialed Out**

1. Pick up the Handset and Dial 1092

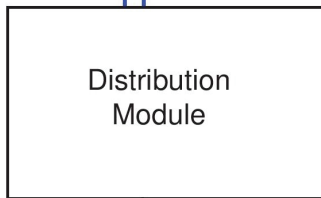
<b>ALPHAREFUGE™ 2400 SERIES POWER CONSUMPTION</b>		
<b>REFUGE COMMAND</b> Note: The first active phone adds 7.21w, each additional phone adds 4.46w	170mA	20.4w
<b>PWRAPC</b> Output: 600w @ 1000VA Battery: 24v, 12amp	166mA	19.92w
<b>PWRAPC112</b> Output: 1920w @ 1920VA Battery: 24v, 15amp	870mA	104.4w

Two Wire Connection to  
Card 1 Extension 2001  
Blue and White / Blue Stripe

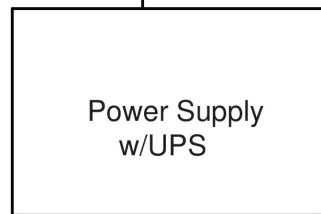


Base  
Station

Two Wire Connection  
Note: If larger than 16 Zone, additional  
pairs are needed



Distribution  
Module



Power Supply  
w/UPS

1 Wire Pair Per Phones.

Two Wire Connection to  
Card 1 Extension 2002  
Orange and White / Orange Stripe



Two Wire Connection to  
Card 1 Extension 2003  
Green and White / Green Stripe



120 Volt Power Connection  
to Incoming 120 Volt Power

Two Wire Connection to  
Card 1 Extension 2004  
Brown and White / Brown Stripe



## CARD WIRING FOR 12-36 ZONE SYSTEM

**A.** On back of Distribution Module, remove two screws in top left and right and slide cover off unit to expose internal cards









**B.** On top of each card there is a table indicating port usage.

1. SLT is the port used for connecting Call Boxes
2. DKP is the port used for connecting Command Center phone(s)
3. TWT is the port used for outside telco line

**C.** The first card installed will always be:

1. Port 1: (S01-S04) Connection for 4 Call Boxes
2. Port 2: (S05-S06) Connection for 2 Telco Lines
1. Port 3: (S07-S08) Connection for 2 Command Center Phones

**D.** Plug RJ45 of wiring harness into appropriate port (See wiring diagram below)

	Color	Extension Number
S01-S04	Blue - (Blue & White)	 2001 (Connect to Red and Green of Phone Cord)
	Orange - (Orange & White)	 2002 (Connect to Red and Green of Phone Cord)
	Green - (Green & White)	 2003 (Connect to Red and Green of Phone Cord)
	Brown - (Brown & White)	 2004 (Connect to Red and Green of Phone Cord)
S05-S06	Blue - (Blue & White)	 TELCO LINE 1
	Orange - (Orange & White)	 TELCO LINE 2
S07-S08	Blue - (Blue & White)	 COMMAND CENTER
	Orange - (Orange & White)	 SECONDARY COMMAND CENTER OR BUTTON CONSOLE (Optional)

**For additional extensions on SLT ports follow scheme below.** Refer to top of cards to see what type of port and number of extensions

2005: Blue, Blue-White  
 2006: Orange, Orange-White  
 2007: Green, Green-White  
 2008: Brown, Brown-White  
 2009: Blue, Blue-White  
 2010: Orange, Orange-White  
 2011: Blue, Blue-White  
 2012: Orange-Orange, White  
 2013: Blue, Blue-White  
 2014: Orange, Orange-White  
 2015: Green, Green-White

2016: Brown, Brown-White  
 2017: Blue, Blue-White  
 2018: Orange, Orange-White  
 2019: Blue, Blue-White  
 2020: Orange, Orange-White  
 2021: Blue, Blue-White  
 2022: Orange, Orange-White  
 2023: Green, Green-White  
 2024: Brown, Brown-White  
 2025: Blue, Blue-White  
 2026: Orange, Orange-White

2027: Blue, Blue-White  
 2028: Orange, Orange-White  
 2029: Blue, Blue-White  
 2030: Orange, Orange-White  
 2031: Green, Green-White  
 2032: Brown, Brown-White  
 2033: Blue, Blue-White  
 2034: Orange, Orange-White  
 2035: Blue, Blue-White  
 2036: Orange, Orange-White

## CARD WIRING FOR 56-112 ZONE SYSTEM

- A.** Each card installed in 56-112 zone units will have 6 ports.
- B.** Each slot is labeled below indicating what type of slot it is.
1. S01-S\_\_ are the port(s) used for connecting Call Boxes
  2. The TD(1-2)(3-4) with a dot under the "D" is the port used for connecting Command Center phone(s)
  3. TD(1-2)(3-4) with a dot under the "T" is the port used for outside telco line
- C.** The first card installed will always be:
1. Port 1: (S01-S04) Connection for 4 Emergency Phones
  2. Port 2: (S05-S08) Connection for 4 Emergency Phones
  3. Port 3: (S09-S12) Connection for 4 Emergency Phones
  4. Port 4: (S13-S16) Connection for 4 Emergency Phones
  5. Port 5: (D1-2) Connection for Command Center Phone and Button Console (If Using)
  6. Port 6: (T1-2) Connection for up to 2 outside Telco Lines
- D.** Plug RJ45 of wiring harness into appropriate port (See wiring diagram below)

	Color	Extension Number
1	Blue - (Blue & White)	2001 (Connect to Red and Green of Phone Cord)
	Orange - (Orange & White)	2002 (Connect to Red and Green of Phone Cord)
	Green - (Green & White)	2003 (Connect to Red and Green of Phone Cord)
	Brown - (Brown & White)	2004 (Connect to Red and Green of Phone Cord)
2	Blue - (Blue & White)	2005 (Connect to Red and Green of Phone Cord)
	Orange - (Orange & White)	2006 (Connect to Red and Green of Phone Cord)
	Green - (Green & White)	2007 (Connect to Red and Green of Phone Cord)
	Brown - (Brown & White)	2008 (Connect to Red and Green of Phone Cord)
3	Blue - (Blue & White)	2009 (Connect to Red and Green of Phone Cord)
	Orange - (Orange & White)	2010 (Connect to Red and Green of Phone Cord)
	Green - (Green & White)	2011 (Connect to Red and Green of Phone Cord)
	Brown - (Brown & White)	2012 (Connect to Red and Green of Phone Cord)
4	Blue - (Blue & White)	2013 (Connect to Red and Green of Phone Cord)
	Orange - (Orange & White)	2014 (Connect to Red and Green of Phone Cord)
	Green - (Green & White)	2015 (Connect to Red and Green of Phone Cord)
	Brown - (Brown & White)	2016 (Connect to Red and Green of Phone Cord)
5	Blue - (Blue & White)	Command Center
	Orange - (Orange & White)	Button Console
6	Blue - (Blue & White)	Telco Line 1
	Orange - (Orange & White)	Telco Line 2

**For additional extensions on SLT ports follow scheme below. Refer to top of cards to see what type of port and number of extensions**

2017: Blue, Blue-White	2033: Blue, Blue-White	2049: Blue, Blue-White	2065: Blue, Blue-White	2081: Blue, Blue-White	2081: Blue, Blue-White
2018: Orange, Orange-White	2034: Orange, Orange-White	2050: Orange, Orange-White	2066: Orange, Orange-White	2082: Orange, Orange-White	2082: Orange, Orange-White
2019: Green, Green-White	2035: Green, Green-White	2051: Green, Green-White	2067: Green, Green-White	2083: Green, Green-White	2083: Green, Green-White
2020: Brown, Brown-White	2036: Brown, Brown-White	2052: Brown, Brown-White	2068: Brown, Brown-White	2084: Brown, Brown-White	2084: Brown, Brown-White
2021: Blue, Blue-White	2037: Blue, Blue-White	2053: Blue, Blue-White	2069: Blue, Blue-White	2085: Blue, Blue-White	2085: Blue, Blue-White
2022: Orange, Orange-White	2038: Orange, Orange-White	2054: Orange, Orange-White	2070: Orange, Orange-White	2086: Orange, Orange-White	2086: Orange, Orange-White
2023: Green, Green-White	2039: Green, Green-White	2055: Green, Green-White	2071: Green, Green-White	2087: Green, Green-White	2087: Green, Green-White
2024: Brown, Brown-White	2040: Brown, Brown-White	2056: Brown, Brown-White	2072: Brown, Brown-White	2088: Brown, Brown-White	2088: Brown, Brown-White
2025: Blue, Blue-White	2041: Blue, Blue-White	2057: Blue, Blue-White	2073: Blue, Blue-White	2089: Blue, Blue-White	2089: Blue, Blue-White
2026: Orange, Orange-White	2042: Orange, Orange-White	2058: Orange, Orange-White	2074: Orange, Orange-White	2090: Orange, Orange-White	2090: Orange, Orange-White
2027: Green, Green-White	2043: Green, Green-White	2059: Green, Green-White	2075: Green, Green-White	2091: Green, Green-White	2091: Green, Green-White
2028: Brown, Brown-White	2044: Brown, Brown-White	2060: Brown, Brown-White	2076: Brown, Brown-White	2092: Brown, Brown-White	2092: Brown, Brown-White
2029: Blue, Blue-White	2045: Blue, Blue-White	2061: Blue, Blue-White	2077: Blue, Blue-White	2093: Blue, Blue-White	2093: Blue, Blue-White
2030: Orange, Orange-White	2046: Orange, Orange-White	2062: Orange, Orange-White	2078: Orange, Orange-White	2094: Orange, Orange-White	2094: Orange, Orange-White
2031: Green, Green-White	2047: Green, Green-White	2063: Green, Green-White	2079: Green, Green-White	2095: Green, Green-White	2095: Green, Green-White
2032: Brown, Brown-White	2048: Brown, Brown-White	2064: Brown, Brown-White	2080: Brown, Brown-White	2096: Brown, Brown-White	2096: Brown, Brown-White