

CONNECTIVITY-MACPLUS

MACPLUS available through Motorola – Part Number RRDN4371A Solar or RRDN4372A AC/DC



Callbox shown with optional accessories



Stainless Steel Callbox w/Self-Closing Door

All of the advanced, patented features of our MACONE callbox, plus the added sophistication of a 4-button notification panel. Each button can be customized; i.e., MEDICAL/POLICE, MECHANICAL/TOWING, GAS/TIRE, and HEARING IMPAIRED. This software-driven system sends automatic audible and digital signaling to a dispatch center. Microprocessor controlled, modular conformal-coated boards, fully expandable design and TTY/ADA compliant are all features synonymous with this unit. Ideal for roadways, bridges, tunnels and commuter rail stations, this system brings next generation technology to our customers today!

Features

- Solar or AC/DC for 12 Amp Battery Source
- 40-Day Standby Battery Capacity
- Courtesy Light when Door Opens
- Door Open Alert Automatically Announces Callbox ID and Location
- Voice Instruction Message for User
- Two-Way Voice Communication
- Distinctive Low Battery Alert Voice Message
- Seamless Integration into Current Radio System
- Fully Upgradeable if Radio Frequency Changes
- Message Relay or Cueing - No Simultaneous Transmission Interference
- Four Customizable Identifier Buttons

- Microprocessor Controlled
- Total Solid State Circuitry
- Modular Board for One Trip Service Calls
- Silent Tamper Alert Broadcast to Security
- Field Programmable Voice Messages
- Easy, One Button Operation
- Weather-Resistant Stainless Enclosure
- Expandable for Auxiliary Trip Devices
- Self-Closing Pneumatic/Mechanical Door
- ADA Compliant



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AC/DC Converter - A plug-n-play AC/DC conversion kit with a NEMA rated enclosure provides for fast, easy and inexpensive installation, *or*

Solar Power - A 10-watt Siemen's solar panel with pole/wall "4-seasons" mounting bracket for remote placement applications. The system's independence from commercial power sources will significantly reduce the cost associated with hardwiring electric or phone cables to callbox locations.

Sleep Mode - The large 12 amp hour battery combined with our patented "sleep mode" enables power consumption to be nominal. Only when the callbox is active does it draw upon its battery, allowing a one day charge to provide up to a 40-day battery standby. This insures uninterrupted service if commercial power is lost and preserves the internal electronic components, which extends the life of the callbox.

Antenna - A standard antenna is provided based on radio frequency as follows: Quarterwave Unity Gain-UHF/VHF or 3dB Gain 800/900 MHz. Other power/frequency antennas are available and may require an additional charge.

Door Open Alert - Opening the door automatically activates a loud ringing tone which sounds simultaneously at the callbox and on the monitoring personnel's radios before the callbox ID and location are announced.

Door Closed Alert - Your dispatch personnel will know when the user has left the callbox.

Automatic Callbox ID/Location - Even if the caller is distressed, upon activation, a digitally stored voice message will automatically transmit over the callbox radio channel to let your responding personnel know the exact location of the callbox.

Silent Tamper Alert - If a callbox is tampered with, a digitally stored voice message will automatically *transmit to monitoring personnel only*, stating the system's location and ID, followed by a "tamper alert" announcement.

Low Battery Alert - Prior to the battery charge going below an unacceptable level, a digitally stored voice message will transmit over the callbox radio channel to warn of a low battery and the need for replacement. One 12 volt, 12 amp hour power storage cell has an expected life of two years.

Voice Instruction Message - Following the callbox ID and location announcement, a digitally stored voice message will automatically broadcast instructions to guide the callbox user to "press to talk and release to listen".

Two-Way Voice Communication - Responding personnel are assisted in determining the nature and urgency of a call through two-way voice communication.

Field Programmable - Voice messages can be easily changed for special events in any language.

Message Cueing - Protects the call system's alert from interference due to another radio's simultaneous transmission.

Courtesy Light - Even in dim light, the automatic courtesy light makes the panel easy to see.

Stainless Steel Enclosure - This powder-coated, corrosion resistant, heavy duty 316 stainless steel callbox enclosure is intended to provide protection against the harshest of elements, including the formation of ice.

Signage - Choice of "ASSISTANCE", "EMERGENCY" or "CALLBOX" reflective or non-reflective vinyl message decals.

ADA Compliant Hinges - Door is easily opened, requiring less than 2 pounds of pressure!

Self-Closing Pneumatic/Mechanical Door - No need to worry about a left open door with this system! Even though the door automatically shuts to a tight seal, it has been engineered to close gradually to prevent injury.

4 Identifier Buttons - Example - POLICE/MEDICAL, MECHANICAL/TOWING, GAS/TIRE, HEARING IMPAIRED NOTIFICATION assist monitoring personnel in routing the call correctly.

AVAILABLE OPTIONS:

Area Monitoring Feature - Certain restrictions apply.

Custom Color - A selection of color choices is available to match any environment.

Signage - Custom reflective and non-reflective vinyl decals, metal Braille plates and metal reflective roadway signs are available.

Strobe Light w/Enclosure - A 6-watt (3 joules) strobe light encased in an aluminum housing automatically turns on when the callbox is activated.

Locator Light w/Enclosure (requires strobe light) - For dim-lighted areas, a low-power beacon light encased in an aluminum housing will assist users in locating the callbox.

SFDTMF Board - This surface-mounted board with DTMF signaling enables each callbox identifier button to be identified and routed properly at a dispatch center computer. In addition, each callbox can automatically power up and report its operating status to a dispatch center computer without interruption of a call in progress.

CAM - Computer-aided maintenance software used with the SFDTMF signaling board can be customized to meet a customer's specific needs.

SPECIFICATIONS:

Callbox

Material Fabricated from a rustproof and corrosion-proof 316 stainless steel.
Size 15" H x 11.375" W x 7.75" D (9.75" D with Mounting Bracket)

Solar Panel

Material Ultra-clear tempered glass front, solar cells are laminated between a multi-layered polymer backsheet and layers of ethylene vinyl acetate, torsion and corrosion resistant anodized-aluminum module frame.
Size 12.9" H x 15.25" W x 1.4" D

Electronic components comply with International Quality Standard ISO 9002 and with FCC Rules and Regulations, Title 47, Part 15, Subpart B "Unintentional Radio Frequency Devices". The call box complies with ADA (American with Disabilities Act) regarding operation and placement of all signaling and mechanical features.