

# SuperCELL™ SC500

## Two-way Emergency Signaling Personal Safety Alarm



Actual Size

The SuperCELL™ SC500 is Grace Industries' newest addition to our comprehensive line of RF signaling products. SC500 is a two-way signaling; man-down alarm which transmits and receives encrypted signals for reliable and secure operation. With up to 80 hours of use between charges, the need to change batteries and the cost are eliminated. Protection provided by intrinsic safety certification allows for use in almost any hazardous environment. The SC500 is compatible with existing Grace Industries' Telemetry Systems.

### **SuperCELL™ SC500 is Intrinsically Safe and Rechargeable with the Following Outstanding Features...**

- **Certified Intrinsically Safe to UL913**
- **Meets CSA C22.2 No. 157 for Use in Hazardous Locations**
- **For Use In Hazardous, Flammable/Combustible Areas:**
  - Gases: Acetylene, Hydrogen, Ethylene, Propane**
  - Dusts: Grain, Metal, Carbonaceous**
- **Pre-programmed Text Messaging Capability**
- **High Performance Two-Way Radio Signaling - No License Required**
- **Meets FCC Part 15 and Industry Canada requirements**
- **Motion Sensing Feature with Adjustable Time to Alarm**
- **Monitoring of Other SuperCells or TPASS Alarm Signals**

## SuperCELL™ SC500 FEATURES



## Specifications

**Dimensions:** 2-3/16" wide, by 1-3/8" deep (without clip), 4" high (with antenna)

**Weight:** 5.6 ounces

**Alarm Audio Output:** 75 dBA @ 10 feet

**Case:** Black polycarbonate, rugged, impact resistant.

**Attachment:** Multi-directional Belt Clip for versatility

**Antenna:** Small, rugged and replaceable

**Radio Frequency:** 902-928MHz, License Free Spread Spectrum

**Battery:** Integrated, intrinsically safe Lithium-ion battery

**Battery Life:** Estimated 80 hrs in Sensing mode

**Battery Charging:** 120VAC or 12VDC

**Battery Charging Time:** 6 to 8 hrs

**Battery Charging Cycles:** 500

**Certifications:** Intrinsically Safe per ANSI/UL913 For use in Class 1, Groups A, B, C and D; and Class II, Groups E, F, G; Division 1 Hazardous Locations. Operating Temperature Code T6

CSA C22.2 No.157-92

FCC part 15, Industry Canada.

## Selectable Alarm Times

Alarm Time	Pre-Alert	Alarm
30 seconds	Pre-Alert 18 to 23 seconds	30 to 35 seconds to Alarm
45 seconds	Pre-Alert 33 to 38 seconds	45 to 50 seconds to Alarm
60 seconds	Pre-Alert 48 to 53 seconds	60 to 65 seconds to Alarm
75 seconds	Pre-Alert 63 to 68 seconds	75 to 80 seconds to Alarm
90 seconds	Pre-Alert 78 to 83 seconds	90 to 95 seconds to Alarm
105 seconds	Pre-Alert 93 to 98 seconds	105 to 110 seconds to Alarm
120 seconds	Pre-Alert 108 to 113 seconds	120 to 125 seconds to Alarm

**GRACE**  
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QUALITY SYSTEM  
REGISTERED TO  
ISO 9001-2000