



**ISO 9001: 2008**  
Certified

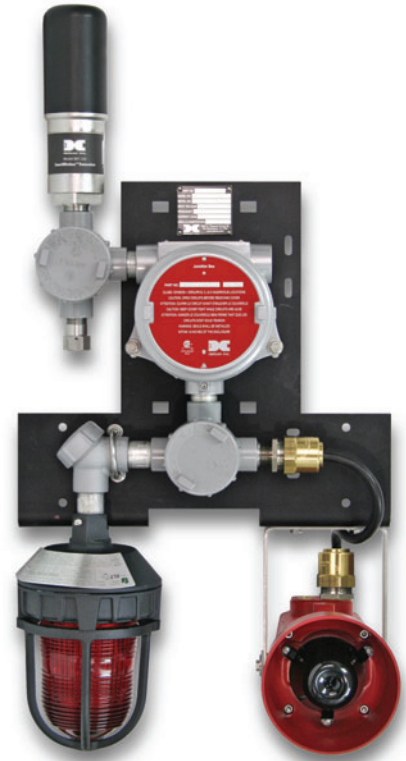
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# SMARTWIRELESS™

## AUDIO VISUAL ALARM STATION - DIV2

### DESCRIPTION

Detcon SmartWireless™ gas detection systems feature a battery powered audio visual alarm station designed as a wireless cordless system component. Alarm level 1 is used to turn on an alarm strobe and alarm level 2 is used to turn on an audible warning device. Alarm relay options include adjustable set points and latching/non-latching relays. Alarm level 2 can be configured for acknowledge/silence via operator interface at the SmartWireless™ HMI display panel. Power is provided by a Detcon designed smart battery pack eliminating the requirement for power or signal cables (line power option available). The battery pack continuously reports its charge level and estimated operating time before recharge or replacement is required. The standard battery packs are capable of delivering enough energy for 4-6 hours of continuous operation in a full alarm condition. An optional solar charging panel can be used to extend operating time and maintain full battery charge levels for virtually any application.



### SPECIFICATIONS

#### Alarm Station Assembly

**Voltage:** 24VDC  
**Electrical Classification:** Class I; Div 2; Groups A, B, C, D  
**Operating Temperature:**  
With Battery: -20°C to +60°C  
Without Battery: -20°C to +66°C

**Weight:** 25 lbs.  
**Dimensions:** 29"H x 15"W x 13"D  
**Warranty:** 1 Year

#### Transceiver

**Max Current:** 45mA @ 24VDC  
**Electrical Classification:** Class I; Division 1; Groups C, D

#### Strobe

**Operating Current:** 0.45 amps @ 24VDC  
**In-Rush Current:** 1.75 amps, 5.0 mS @ 24VDC  
**Dome Colors:** Amber, Blue, Clear, Green, Red  
**Dome Guard:** Included  
**Light Source:** Super Bright vibration resistant LED  
**Lamp Life:** 60,000 Hour  
**Flash Rate/Minute:** 60  
**Enclosure Rating:** Tpe 4X watertight, IP66  
**Certifications:** UL and cUL Listed  
**Electrical Classification:** Class I; Div 2; Groups A, B, C, D  
**Housing:** corrosion-resistant epoxy paint

#### Horn

**Operating Current:** 0.85 amps @ 24VDC  
**Max In-Rush Current:** 9 amps @ 24VDC  
**Sound Output:** 104dB @ 1m (1kHz)  
**Tones:** on-board choice of 15 tones  
**Certifications:** ATEX  
**Enclosure Rating:** IP66 CE  
**Electrical Classification:** II 2 G EEx d IIB  
**Housing:** corrosion-resistant cast aluminum

### ORDER GUIDE

- 977-1U\_\_00W-022-\_\_\_ Model SW-AV1-DV2 Alarm Station (1 horn, 1 strobe)
- 977-2U\_\_0W-022-\_\_\_ Model SW-V2-DV2 Alarm Station (2 strobes)
- 977-00000W-022-\_\_\_ Model SW-A2-DV2 Alarm Station (2 horns)

See legend below to complete the part number.

XXX - XX \_ XX - XXX - \_ \_ \_

- Position "6" select color of strobe 1: \_\_\_\_\_  
Position "7" select color of strobe 2: \_\_\_\_\_
- 2 - Red
  - 4 - Amber
  - 5 - Green
  - 6 - Blue
  - 7 - Magenta
  - 9 - Clear

- Position "13" select SmartWireless™ Transceiver \_\_\_\_\_
- 2 - RXT-300
  - 4 - RXT-320

- Position "14" power selection: \_\_\_\_\_
- 5 - Smart battery pack
  - 7 - 117/220 VAC line power to DC power supply
  - 8 - External 24 VDC supplied by customer
  - 9 - 117/220 VAC line power to DC power supply with stand-by battery

- Position "15" select solar panel: \_\_\_\_\_
- 0 - None
  - 1 - NEMA 7 direct mount
  - 3 - NEMA 7 remote mount

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