



TELEDYNE
GAS AND FLAME DETECTION
Everywhere you look™



Product Overview

Lights, Sounders, Alarm Stations, & Manual Call Points

General Purpose

Lights, Sounders, & Combinations

Models A-IP66, V-IP66, AV1-IP66

- Two stage alarm (24VDC version) with volume control
- 10 tones to choose from
- Amber, Red, Blue, Green, Clear, Yellow & Magenta Steady or Flashing Light options
- Dust & Water resistant housings

These products offer compact audio-visual signaling for general purpose industrial, process control and other safety applications. The range features low current consumption combined with high performance. The impact resistant plastic housing is rated to IP66 for dust and water ingress protection.

Voltage Inputs: 24VDC or 115VAC

Sounder Output: 100dBA @ 1 meter [91dBA @ 10ft/3m] Max Output

Light Intensity: LED 180cd, 5J Xenon 250cd

Current Consumption: Sounder 25mA, LED 155mA, Xenon 250mA @ 24VDC

Housing: High Impact ABS Plastic • IP66 Type 4/4X/13/3R

Operating/Storage Temperature: -40° to +55°C [-40° to +131°F]/-40° to +70°C [-40° to +158°F]

Certifications: cULus • CE • EAC • 24VDC Sounder & Xenon Light CPR compliant (tested to EN54-3)



Light & Light/Sounder Stacks

Models STA2, STA3, STA4, STB2, STB3, STB4

- Two stage alarm (24VDC version) with volume control
- 10 tones to choose from
- Amber, Red, Blue, Green, Clear, Yellow, & Magenta Steady or Flashing Light options
- Dust & Water resistant housings

The STB is a customizable visual signal featuring a tower of two to four LED or 5J Xenon beacons. The STA is a customizable audio-visual signal featuring a tower of two to four LED or 5J Xenon beacons combined with an alarm sounder. These towers are perfect for notifying alarm status of Teledyne gas detection devices in General Purpose areas.

Voltage Inputs: 24VDC or 115VAC

Sounder Output: 100dBA @ 1 meter [91dBA @ 10ft/3m] Max Output

Light Intensity: LED 180cd, 5J Xenon 250cd

Current Consumption: Beacon 12mA, LED 87mA, Xenon 250mA @ 24VDC per ea

Housing: High Impact ABS Plastic • IP66 Type 4/4X/13/3R

Operating/Storage Temperature: -40° to +55°C [-40° to +131°F]/-40° to +70°C [-40° to +158°F]

Certifications: cULus • CE • EAC



Notes on Materials of Construction of XP Alarm Stations Below

- Where used backplate material is 316 stainless steel
- Alarm Lights & Sounder enclosures are chromate & powder coated Marine Grade LM6 aluminium alloy
- Lens material is high impact borosilicate glass with UV stable polycarbonate color filter
- Dome guards are 316 stainless steel
- Stopping plugs are available in brass, nickel plated, or stainless steel
- Junction Boxes are electro-statically powder coated copper-free aluminium
- RXT-320 Wireless transmitter is 316 stainless steel with Delrin® cover

Light & Sounder

AV1-C1D2E

- LED or 10J Xenon Lights
- Amber, Red, Blue, Green, Clear, Yellow, & Magenta Steady or Flashing Light options
- 64 tones in 4 stages

The hazardous location AV1-C1D2E combination light and sounder provides an economical solution for alarm annunciation in more industrial applications where there may be combustible gases present.

Voltage Inputs: 24VDC or 115VAC

Sounder Output: 116dBA @ 1 meter [107dBA @ 10ft/3m] Max Output

Light Intensity: LED 180cd, 10J Xenon 288.8cd

Current Consumption: LED 412.5mA, 10J Xenon 609mA @ 24VDC

Housing: Marine grade LM6 aluminium alloy • IP66 Type 4/4X/13/3R

Operating/Storage Temperature: -40° to +50°C [-40° to +122°F]/-40° to +70°C [-40° to +158°F]

Certifications: UL • cUL • IECEx • ATEX CI • II Div2 Zone2 • 22



Dual Lights & Sounder

AV2-C1D2E

- LED or 10J Xenon Lights
- Amber, Red, Blue, Green, Clear, Yellow, & Magenta Steady or Flashing Light options
- 64 tones in 4 stages

With two lights and a horn sounder the AV2-C1D2E allows for versatile alarm notification in hazardous areas at an economical price. Perfect for many applications in oil & gas, petrochemical, and assorted industrial areas.

Voltage Inputs: 24VDC or 115VAC

Sounder Output: 116dBA @ 1 meter [107dBA @ 10ft/3m] Max Output

Light Intensity: LED 180cd, 10J Xenon 288.8cd

Current Consumption: Sounder 313mA, LED 99.5mA, 10J Xenon 296mA @ 24VDC per ea

Housing: Marine grade LM6 aluminium alloy • IP66 Type 4/4X/13/3R

Operating/Storage Temperature: -40° to +50°C [-40° to +122°F]/-40° to +70°C [-40° to +158°F]

Certifications: UL • cUL • IECEx • ATEX CI • II Div2 Zone2 • 22



Two & Three Way Status Lights

V2-C1D2E, V3-C1D2E

- LED or 10J Xenon Lights
- Amber, Red, Blue, Green, Clear, Yellow, & Magenta light options

The V2-C1D2E and V3-C1D2E are integrated alarm bar assemblies comprised of either high output LED or Xenon Strobe beacons. A good solution for alarm status indication in hazardous environments where it is necessary to show normal, warning, and alarm conditions.

Voltage Inputs: 24VDC or 115VAC

Light Intensity: LED 180cd, 10J Xenon 288.8cd

Current Consumption: LED 99.5mA, 10J Xenon 296mA @ 24VDC per ea

Housing: Marine grade LM6 aluminium alloy • IP66 Type 4/4X/13/3R

Operating/Storage Temperature: -55° to +80°C [-67° to +176°F]

Certifications: UL • cUL • IECEx • ATEX CI • II Div2 Zone2 • 22



Class I, Division 1 & 2 - Wired

Light & Sounder

AV1-C1D1E

- LED or 15J or 21J Xenon Lights
- Amber, Red, Blue, Green, White, Magenta, & Yellow light options
- 64 tones in 4 stages

The hazardous location combination light & sounder AV1-C1D1E is designed for use in those areas that demand a higher explosion proof rating than supplied by the AV1-C1D2E.

Voltage Inputs: 24VDC or 115VAC

Sounder Output: 117dBA @ 1 meter [107dBA @ 10ft/3m] Max Output

Light Intensity: LED 338cd, 15J Xenon 731.71cd, 21J Xenon 1,250.66cd

Current Consumption: Sounder 217mA, LED 110mA, 15J Xenon 853mA, 21J Xenon 1130mA @ 24VDC

Housing: Marine grade LM6 aluminium alloy • IP66 Type 4/4X/13/3R

Operating/Storage Temperature: -40° to +70°C [-40° to +158°F]

Certifications: CI Div1 & Div2 components & wiring



Dual Lights & Sounder

AV2-C1D1E

- LED or 15J or 21J Xenon Lights
- Amber, Red, Blue, Green, White, Magenta, & Yellow light options
- 64 Tones in 4 Stages

The AV2-C1D1E is an integrated alarm bar assembly comprised of either high output LED or Xenon Strobe beacons and an alarm horn sounder utilizing globally approved Div 1 & Div 2 rated components.

Voltage Inputs: 24VDC or 115VAC

Sounder Output: 116dBA @ 1 meter [107dBA @ 10ft/3m] Max Output

Light Intensity: LED 338cd, 15J Xenon 731.71cd, 21J Xenon 1,250.66cd

Current Consumption: Sounder 217mA, LED 110mA, 15J Xenon 853mA, 21J Xenon 1130mA @ 24VDC per ea

Housing: Marine grade LM6 aluminium alloy • IP66 Type 4/4X/13/3R

Operating/Storage Temperature: -40° to +70°C [-40° to +158°F]

Certifications: CI Div1 & Div2 components & wiring



Two and three Way Status Lights

V2-C1D1E, V3-C1D1E

- LED Lights
- Amber, Red, Blue, Green, White, Magenta, & Yellow light options

The V2-C1D1E and V3-C1D1E are integrated alarm bar assemblies comprised of high output LED, 15J, or 21J Xenon beacons which are globally approved to Class I/II Div1 & Div2 for use in some of the most hazardous rated environments.

Voltage Inputs: 24VDC or 115VAC

Light Intensity: LED 338cd, 15J Xenon 731.71cd, 21J Xenon 1,250.66cd

Current Consumption: LED 110mA, 15J Xenon 853mA, 21J Xenon 1130mA @ 24VDC per ea

Housing: Marine grade LM6 aluminium alloy • IP66 Type 4/4X/13/3R

Operating/Storage Temperature: -55° to +80°C [-67° to +176°F]

Certifications: CI Div1 & Div2 components & wiring



Light & Sounder

SW-AV1-DV2E

- LED or 10J Xenon Lights
- Amber, Red, Blue, Green, White, Magenta, & Yellow light options
- 64 tones in 4 stages

The hazardous location combination SW-AV1-DV2E alarm horn sounder & LED or 10J Xenon beacon/status warning light is UL/cULus/ULC approved for hazardous applications utilizing Detcon's wireless protocol.

Voltage Inputs: 12VDC Battery Pack

Sounder Output: 116dBA @ 1 meter [107dBA @ 10ft/3m] Max Output

Light Intensity: LED 180cd, 10J Xenon 288.8cd

Housing: IP66 Type 4/4X/13/3R

Operating/Storage Temperature: -20° to +60°C [-4° to +140°F]

Certifications: UL • cUL CI • II Div2



Dual Lights & Sounder

SW-AV2-DV2E

- LED or 10J Xenon Lights
- Amber, Red, Blue, Green, White, Magenta, & Yellow light options

The SW-AV2-DV2E supplies two alarm lights with a sounder in a third party UL/cULus/ULC approved package. Utilizing Detcon's wireless protocol allows use with Detcon's family of wireless gas detection products.

Voltage Inputs: 12VDC Battery Pack

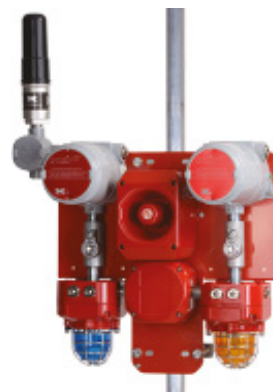
Sounder Output: 116dBA @ 1 meter [107dBA @ 10ft/3m] Max Output

Light Intensity: LED 180cd, 10J Xenon 288.8cd

Housing: IP66 Type 4/4X/13/3R

Operating/Storage Temperature: -20° to +60°C [-4° to +140°F]

Certifications: UL • cUL CI • II Div2



Class I, Division 2 - Wireless Solar Power Capable

Light & Sounder

SW-AV1-DV2SPE

- LED or 10J Xenon Lights
- Amber, Red, Blue, Green, White, Magenta, & Yellow light options
- 64 tones in 4 stages
- Tripod mount & solar panel compatible

The hazardous location combination SW-AV1-DV2SPE adds solar panel power capability with a battery pack approved for charging in hazardous locations.

Voltage Inputs: Solar Panel Powered w/Battery

Sounder Output: 116dBA @ 1 meter [107dBA @ 10ft/3m] Max Output

Light Intensity: LED 180cd, 10J Xenon 288.8cd

Housing: IP66 Type 4/4X/13/3R

Operating/Storage Temperature: -25° to +50°C [-13° to +122°F]

Certifications: UL • cUL CI • II Div2



Dual Lights & Sounder

SW-AV2-DV2SPE

- LED or 10J Xenon Lights
- Amber, Red, Blue, Green, White, Magenta, & Yellow light options
- 64 tones in 4 stages
- Tripod mount & solar panel compatible

Adding a second light option, the SW-AV2-DV2SPE gives added versatility in alarm indication in a solar panel powered device. Both LED and 10J Xenon light options available.

Voltage Inputs: Solar Panel Powered w/Battery

Sounder Output: 116dBA @ 1 meter [107dBA @ 10ft/3m] Max Output

Light Intensity: LED 180cd, 10J Xenon 288.8cd

Housing: IP66 Type 4/4X/13/3R

Operating/Storage Temperature: -25° to +50°C [-13° to +122°F]

Certifications: UL • cUL CI • II Div2

Manual Pull Station

D1xCP1-PS

- Rugged cast aluminium housing
- DC and AC Voltage Contact Ratings
- Marine and NEMA type 4X Rated
- SIL 2 Compliant

The solid design and rugged construction of the D1xCP1-PS pull station makes it ideal for use in harsh environments and hazardous locations.

Switch Rating: 1 amp @ 30 VDC, 10 amps @ 120 VAC

Switch Type: Double Pole, Double Throw (DPDT)

Housing: Marine and NEMA type 4X Rated

Operating/Storage Temperature: -40° to +65°C [-40° to +150°F]

Certifications: UL • MEA Class I, Div. 1, Group B, C and D, Class II, Div. 1, Group E, F and G, Class III, Div. 1



Explosion Proof Manual Call Point

GNExCP7-PM

- Robust corrosion proof GRP enclosure in nine color options
- Momentary or Latched (tool reset or dual action reset)
- Ingress protection IP66/67
- Available with Duty Labels/Equipment Tags

The explosion proof GNExCP7-PM momentary action push button Ex d manual call points feature a robust GRP enclosure with a 316 stainless steel mechanism and IP66/67 rating - designed for the harshest of hazardous environments.

Switch Rating: 250VAC Max @ 3.33A Max / 48VDC Max @ 1.0A Max / 24VDC Max @ 3.0A Max

Switch Type: Double Pole, Double Throw (DPCO/DPDT)

Housing: GRP Glass Reinforced Polyester EN/IEC 60529 • IP66/67

Operating/Storage Temperature: -55° to +70°C

Certifications: IECEx • ATEX • UL • cUL standards for all Zone 1, 2, 21 & 22 and Class I • II Div2 installations



General Purpose Manual Call Point

WP7-PT

- Robust corrosion proof GRP enclosure in nine color options
- Momentary or Latched (tool reset or dual action reset)
- Ingress protection IP66/67
- Available with Duty Labels/Equipment Tags
- SIL2 compliant

The UV stable glass reinforced polyester enclosure can withstand the rigours of on and offshore safe area installations. The extended operating temperature range, stainless steel mechanism and latching lift flap ensures the WP7-PT provides a reliable latching switch activation.

Switch Rating: 250VAC Max @ 5.0A Max / 50VDC Max @ 1.0A Max / 12VDC Max @ 5.0A Max

Switch Type: Double Pole, Double Throw (DPCO/DPDT)

Housing: GRP Glass Reinforced Polyester • IP66/67

Operating/Storage Temperature: -55° to +75°C

Certifications: SIL2 compliant to IEC 61508 (2010)



Teledyne Gas & Flame Detection

With the acquisition of Detcon, Oldham, Simtronics, GMI and the Gas & Flame activity of Scott Safety, Teledyne has become one of the largest manufacturers of gas and flame detection products. These global brands bring together over 100 years of industry experience across a wide range of innovative detection solutions. This adds significant adjacent strength to the Instrumentation Division of Teledyne a leading provider of sophisticated instrumentation, digital imaging products and software, aerospace and defense electronics, and engineered systems, providing a broader array of safety products and solutions, enhancing our relevance to customers worldwide.

Every customer scenario demands a different, customized approach, and Teledyne applies expertise in building the right plan for the right hazards every time. Our complete portfolio and industry-leading solutions offer expert perspective and quality products you can rely on in the most critical situations. When it comes to superior value, efficacy,

efficiency and service, the gas and flame detection team from Teledyne delivers like no one else.

Teledyne uses its global capability, manufacturing excellence and custom engineering to provide end-to-end gas and flame detection solutions for a wide range of hazards worldwide. With an industry-leading, comprehensive portfolio of products and services, our commitment to cross-platform integration provides protection for today and confidence for tomorrow.

Our products are sold through a world class system of knowledgeable distributors, manufacturers' representatives and sales subsidiaries. Our customer commitment does not stop at product delivery but encompasses ongoing services. From custom-designed solutions to unmatched technical support, our gas and flame detection solutions are backed by expert judgment and premier technology that you can trust.



We are committed to ensuring the quality and continuous improvement of our products. The information contained in this brochure is therefore subject to change without notice, only the technical data contained in the manual is binding. For more information, please contact us or our distributor.



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