Lorem Ipsum

"Neque porro quisquam est qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit..."

"There is no one who loves pain itself, who seeks after it and wants to have it, simply because it is pain..."

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FEDERAL SIGNAL

(Shown with pendant mount. See how to order for mounting options)

▶ Model 27XST

Explosion-Proof Strobe Light

| A | B | C | G | M | R |

Federal Signal's Model 27XST explosion-proof strobe light features a voltage in-rush limiting PCB design that provides greater compatibility with factory automation control systems and less electrical interference with in-rush sensitive devices.

Three mounting options are available: pendant, ceiling or 90° wall mount. For easy installation, the mounting box is first installed and the fixture is then threaded onto the mounting box, making the electrical connection. Pre-install the mounting bracket and electrical continuity is made when five threads are engaged.

Federal Signal's Model 27XST is specifically designed for explosion-proof atmospheres and/or corrosive environments. Because it is easy to install and requires very low maintenance, it is ideal for use in areas such as oil rigs, mines, refineries, and chemical plants.

FEATURES

- Approved for mounting in any manner-including dome up
- Available in 24VDC, 120VAC and 240VAC
- Six lamp/lens colors: Amber, Blue, Clear, Green, Magenta and Red
- 10,000 hour strobe tube
- 3/4" NPT pendant, ceiling and wall mount options available
- Dome guard optional

- Conformal coated PCB
- Type 4X, IP66 enclosure
- IP69K compliant
- Marine Rated
- CSFM Approved
- UL and cUL Listed for Class I, Division 1 and 2, Groups C and D; Class I, Division 2, Groups A and B; Class II, Division 1, Groups E, F, and G; Class III

MODEL	VOLTAGE	OPERATING CURRENT	FLASH RATE/ MINUTE	LIGHT OUTPUT PEAK[1]	ECP[2]
27XST-024 * -MOD[1]	24VDC	1.90 amps (3.0 amp In-rush)	80	2,000,000 cd	850 cd
27XST-120 * -MOD[1]	120VAC 50/60Hz	1.14 amps	80	2,000,000 cd	850 cd
27XST-240 * -MOD[1]	240VAC 50/60Hz	1.14 amps	80	2,000,000 cd	850 cd

* Indicates color: (A) Amber, (B) Blue, (C) Clear, (G) Green or (R) Red (Magenta available in 120VAC and 240VAC models only)
[1] See "how to order" for mounting options
[2] Peak candela is the maximum light intensity generated by a flashing light during its light pulse
[3] ECP (Effective Candela) is the intensity that would appear to an observer if the light were burning steadily

HAZARDOUS LOCATION RATING: 27XST
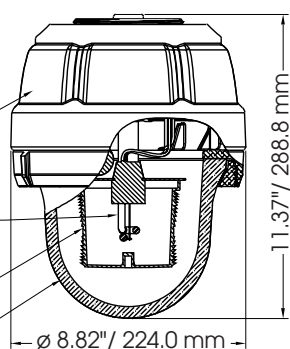
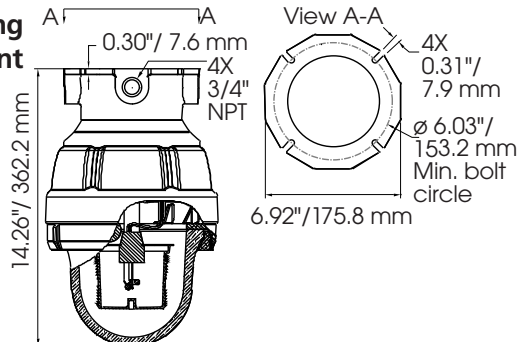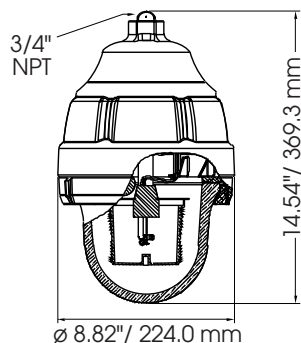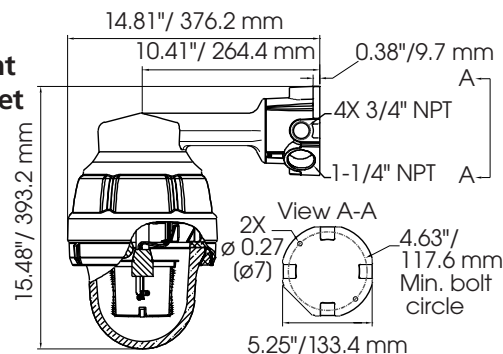| T-CODE AT MAXIMUM AMBIENT TEMPERATURE, °C		
Hazardous Location	**40°C**	**65°C**
Class I, Division 1 & 2, Groups C, D	T6	T4A
Class I, Division 2, Groups A, B	T2	T2
Class II, Division 1, Groups E, F, G	T6	T4A
Class III	T6	T4A

Explosion-Proof Strobe Light (27XST)

Standard Strobe Model

Cast Aluminum Corrosion-Resistant Explosion-Proof Housing
High Intensity Strobe Tube
Fresnel Lens
Glass Dome

11.37"/ 288.8 mm
ø 8.82"/ 224.0 mm

Ceiling Mount

A — A
View A-A
0.30"/ 7.6 mm
4X 3/4" NPT
4X 0.31"/ 7.9 mm
ø 6.03"/ 153.2 mm Min. bolt circle
14.26"/ 362.2 mm
6.92"/175.8 mm

Pendant Mount

3/4" NPT
14.54"/ 369.3 mm
ø 8.82"/ 224.0 mm

Wall Mount Bracket

14.81"/ 376.2 mm
10.41"/ 264.4 mm
0.38"/9.7 mm
4X 3/4" NPT
1-1/4" NPT
A — A
15.48"/ 393.2 mm
View A-A
2X ø 0.27 (ø7)
4.63"/ 117.6 mm Min. bolt circle
5.25"/133.4 mm

SPECIFICATIONS

Lamp Life:		10,000 Hours
Light Source:		Strobe Tube
Operating Temperature:	-67°F to 150°F	-55°C to 65°C
Net Product Weight		
Signal without Mounting:	13.9 lbs	6.3 kg
Ceiling Mount:	4.5 lbs	2.0 kg
Pendant Mount:	2.0 lbs	0.9 kg
Wall Mount:	5.9 lbs	2.7 kg
Shipping Weight		
Signal without Mounting:	14.7 lbs	6.67 kg
Ceiling Mount:	5.3 lbs	2.40 kg
Pendant Mount:	2.8 lbs	1.27 kg
Wall Mount:	6.7 lbs	3.03 kg

REPLACEMENT PARTS

Description	Part Number
Exterior Dome Assembly, Clear	K8436147A
Interior Lens Assembly, Amber	K8550C095A-02
Interior Lens Assembly, Blue	K8550C095A-01
Interior Lens Assembly, Clear	K8550C095A
Interior Lens Assembly, Green	K8550C095A-04
Interior Lens Assembly, Magenta	K8550C095A-07
Interior Lens Assembly, Red	K8550C095A-03
24VDC Mechanism	K8436107F-03
120VAC Mechanism	K8436107E-02
Strobe Tube	K8107159A

OPTIONAL ACCESSORIES

Description	Part Number
Dome Guard	DGXC-SB

HOW TO ORDER

27XST – **024** **A** – **MOD**

TYPE 27XST

VOLTAGE
024 (24VDC)
120 (120VAC)
240 (240VAC)

COLOR
A Amber
B Blue
C Clear
G Green
M Magenta
R Red

Specify Optional Mounting:*

Description	Part Number
Ceiling Mount	CMXC-SB
Pendant Mount	PMXC-SB
Wall Mount	WMXC-SB

* Mounting kit must be ordered with unit, sold separately

CONTROLLER

REGARD 7000	https://www.draeger.com/Products/Content/regard-7000-pi-9104125-en-us.pdf
REGARD 3920	https://www.draeger.com/Products/Content/regard-3920-pi-9104971-en-us.pdf

FLAME DETECTORS

Dräger Flame 2000	https://www.draeger.com/Products/Content/flame-2000-pi-9103657-en-us.pdf
Dräger Flame 2100	https://www.draeger.com/Products/Content/flame-2100-pi-9103658-en-us.pdf
Dräger Flame 2350	https://www.draeger.com/Products/Content/flame-2350-pi-9103659-en-us.pdf
Dräger Flame 2370	https://www.draeger.com/Products/Content/flame-2370-pi-9103660-en-us.pdf
Dräger Flame 2500	https://www.draeger.com/Products/Content/flame-2500-pi-9103661-en-us.pdf
Dräger Flame 2700	https://www.draeger.com/Products/Content/flame-2700-pi-9103662-en-us.pdf
Dräger Flame 5000	https://www.draeger.com/Products/Content/flame-5000-pi-9103409-en-us.pdf

FLAMMABLE GAS DETECTORS

GS01	https://www.draeger.com/Products/Content/gs01-pi-9105323-en-us-us.pdf
PIR 7000	https://www.draeger.com/Products/Content/pir-7000-9103413-en-us.pdf
PointGard 2700	https://www.draeger.com/Products/Content/pointgard-2700-pi-9105335-en-us-us.pdf
Polytron 5200 CAT	https://www.draeger.com/Products/Content/polytron-5200-pi-9041423-en-us.pdf
Polytron 5700 IR	https://www.draeger.com/Products/Content/polytron-5700-pi-9041425-en-us.pdf
Polytron 8200 CAT	https://www.draeger.com/Products/Content/polytron-8200-pi-9041539-en-us.pdf
Polytron 8700 IR	https://www.draeger.com/Products/Content/polytron-8700-pi-9041541-en-us.pdf
Pulsar 7000	https://www.draeger.com/Products/Content/pulsar-7000-series-pi-9105320-en-us.pdf

OPTICAL AREA MONITORING

MetCam Gas Camera	Not on web

TOXIC GASES AND OXYGEN DETECTORS

PIR 7200	https://www.draeger.com/Products/Content/pir-7200-pi-9103414-en-us.pdf
PointGard 2100	https://www.draeger.com/Products/Content/pointgard-2100-pi-9105339-en-us.pdf
PointGard 2720	https://www.draeger.com/Products/Content/pointgard-2720-pi-9105334-en-us.pdf
Polytron 3000	https://www.draeger.com/Products/Content/polytron-3000-pi-9103412-en-us.pdf
Polytron 5100 EC	https://www.draeger.com/Products/Content/polytron-5100-pi-9045512-en-us.pdf
Polytron 5720 IR	https://www.draeger.com/Products/Content/polytron-5720-pi-9041426-en-us.pdf
Polytron 6100 EC WL	https://www.draeger.com/Products/Content/polytron-6100-ec-wl-pi-9105342-en-us.pdf
Polytron 7000	Not on web
Polytron 8100 EC	https://www.draeger.com/Products/Content/polytron-8100-pi-9041538-en-us.pdf
Polytron 8720 IR	https://www.draeger.com/Products/Content/polytron-8720-pi-9041542-en-us.pdf

ULTRASONIC LEAK DETECTION

Polytron 8900 UGLD	https://www.draeger.com/Products/Content/polytron-8900-ugld-pi-9106005-en-us-us.pdf

Dräger REGARD® 3920
Control System

The Dräger REGARD® 3920 is a standalone, self contained control system for the detection of Toxic, Oxygen and Ex hazards. The control system is fully configurable between 1 and 16 channels, depending upon the type and quantity of input/output boards installed.

Display shows four channels at same time

Control buttons

D-1129-2010

Status indicators for Input channels

Dräger. Technology for Life®

Benefits

Dräger REGARD 3920

Based upon the Dräger REGARD 3900 the 3920 is configured via on board pushbuttons and is capable of housing both 4-20 mA input boards and relay output boards in a robust IP65 enclosure. The Dräger REGARD 3920 is a modular system suitable for the most stringent of budgets.

Analog input board

Each analog input board caters for one to four, 2 or 3 wire, 4-20 mA transmitters. Each transmitter connects to dedicated field terminals. Up to a total of four analogue input boards can be installed in to a single Dräger REGARD 3920, thus giving a maximum input count of sixteen transmitters. Each individual input board is populated with three relays. These relays offer common Fault, Alarm 1 and Alarm 2 outputs. The two alarm levels are fully configurable and can be set as rising or falling, latching or non-latching. To differentiate between each input board a simple mechanical link is required.

Relay output board

Each relay output board is populated with eight additional SPCO relays. Relay 1 on each relay board is a dedicated Fault relay and cannot be reconfigured. The remaining seven relays can be configured as Single, Common, Voting, Inhibit or Nonoperational. An additional Alarm 3 level is offered by the relay board along with a second Fault threshold. All configurable relays can be Rising/Falling, Latching/Non Latching and Normally Energised/Energised on alarm. Alarm relays are acknowledged via the push button located on the front panel of the instrument housing. A maximum of two relay boards can be installed in a single Dräger REGARD 3920 control system.

Repeat output board

Each 4-20 mA output board repeats the signal of up to eight inputs. This allows indication or recording of gas levels by other units. A maximum of two analog output boards can be installed in a single Dräger REGARD 3920 control system.

System configuration

The Dräger REGARD 3920 is fully configurable via pushbuttons located on the front panel. The configuration menu allows quick and easy set-up. All calibration routines, zero and span are performed using the configuration menu.

System Components

ST-11659-2007

Dräger PIR 7000

Constant monitoring of flammable gases and vapors is essential for a safe workplace. The Dräger PIR 7000 is an explosion-proof point gas detection transmitter that uses infrared (IR) technology to continuously monitor flammable gases and vapors. With its stainless steel SS 316L enclosure and drift-free optics, this detector is built for the harshest industrial environments, including offshore installations.

ST-3812-2003

Dräger Polytron® 7000

The Dräger Polytron® 7000 gas detector can satisfy all toxic gas and oxygen measurement applications on a single platform. It meets compliance requirements, as well as the high specification requirements of customized solutions.

D-49077-2012

Dräger Flame 5000

In today's industrial workplaces, flame detection is essential for protecting both people and facilities. The Dräger Flame 5000 is an explosion-proof flame detector based on advanced color imaging technology. Each detector operates as a standalone unit and incorporates an integrated closed circuit television (CCTV) system, digital signal processing, and software algorithms to process live video images and interpret the characteristics of a flame.

Services

D-19072-2016

Dräger Service

When your operation's safety equipment is backed by over 125 years of experience and supported by the same team that engineered it, you can rely on service and rental solutions that are tailored to meet your unique needs. With Dräger's safety solutions, you get complete peace of mind, budget security, and full-service support that you can count on every step of the way. That's the Dräger Service Advantage.

Related Products

D-6806-2016

Dräger REGARD 7000

When you need to monitor and analyze a number of various gases and vapors, the Dräger REGARD 7000 is a modular and highly expandable analysis tool. Suitable for gas warning systems with various levels of complexity and numbers of transmitters, the Dräger REGARD 7000 is exceptionally reliable and efficient. An additional benefit is the system's backward compatibility with legacy REGARD controllers.

ST-335-2004

Dräger REGARD-1

The Dräger REGARD-1 is a standalone single-channel control system for the detection of toxic and Ex hazards and oxygen levels. The control system is fully configurable for a single input from either a 4 to 20 mA transmitter or a Dräger Polytron® SE Ex measuring head.

Technical Data

Type	Control unit for location in a non-hazardous area	
Gas and ranges	Toxic, oxygen and combustible gases with user definable measuring ranges. Refer to transmitter type for ranges, name and engineering units. All configurations by Laptop computer.	
Inputs	2 or 3 wire 4-20-mA transmitters	
	Remote reset	
	24 VDC supply	
Outputs	Alarm 1, Alarm 2 and Fault as standard	
	Warning and Inhibit relays on optional relay board	
	Single, common or voted alarms on optional relay board	
	Acknowledgeable relays on optional relay board	
	Repeat 4-20-mA via optional Repeat Board	
Display	Large graphic display, 34 x 62 mm, 64 x 128 pixel 1.3" x 2.4"	
	Menu structure and messages in real text, 3 button navigation	
	Active, Fault, Alarm 1 and Alarm 2 LED's per input	
	DC and AC power LED's	
	Inhibit LED	
Power supply	External	24 VDC, or
	Internal	2.5 A, 5 A or 10 A power supply @ 110/240 VAC
Dimensions (approx.)	420 x 300 x 190 mm / 16.5" x 11.8" x 7.5" (W x H x D)	
Weight (approx.)	3 kg / 6.6 lbs, depending upon installed power supply	
Ambient conditions	Temperature	0 to 55 °C / 32 to 130 °F
	Pressure	700 to 1300 hPa / 20.6 to 38.3 inch Hg
	Humidity	0 to 100 %RH, non condensing
Ingress Protection	IP65, ABS—OV material of construction	
Approvals	ATEX	IEx II(2)G
	SIL	SIL 1
	CE-mark	Electromagnetic compatibility (directive 89/336/EEC)
		Low voltage directive (72/23/EEC, 93/68/EEC)

Ordering Information

Dräger REGARD® 3910	Order Code
Dräger REGARD® 3920 Basic Unit	42 08 850
Dräger REGARD® 3900/3910/3920 4-20 Module	42 08 782
Dräger REGARD® 3900/3910/3920 Relay Module	42 08 784
Dräger REGARD® 3900/3910/3920 4-20-mA Repeat Output Board	42 08 797

Notes

Not all products, features, or services are for sale in all countries.
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