

## GXS Series Explosion proof limit switches EExd



### Features

- II 2 G EExd IIC T6
- KEMA 00 ATEX 2103 X
- Conforms to EN50014, EN50018, CE marked.
- EN50047 mounting compatible.
- Rugged zinc die-cast housing.
- Pre-wired - 5 metres of cable.
- Bottom exit cable ONLY.
- Double insulated switch element
- Snap action basic switch

### Benefits

- Flameproof protection
- Meets product design and quality systems requirements of ATEX 94/9/EG, mandatory 2003.
- Standard European mounting.
- Suitable for difficult operating environments.
- Fast and easy to install.
- Fully potted cable and basic switch.
- External earth connection not required.
- Change over, 3 wire device, 1NC/1NO

### Description

The GXS series explosion proof limit switches are designed specifically for use in hazardous applications. The GXS enclosure is fully potted and has sealing protection of IP66/67 as per IEC/EN 60529. The entire series GXS complies with the European Directive on Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres (94/9/EC) commonly referred to as the ATEX Directive.

### Typical applications

- Hazardous areas Category 2 (Zone 1) or Category 3 (Zone 2).
- Petrochemical
- Material handling
- Valve

Zone Classification			
Category	Flammable atmospheres	Protection required	Requirements for equipment
2	Medium risk of an explosive atmosphere occurring Gas = Zone 1	High	Equipment is capable of operating safely under a single fault condition (ib) or alternatively one or more types of suitable protection is used. For example, 'd', 'e', 'p' etc.
3	Low risk of an explosive atmosphere occurring Gas = Zone 2	Normal	Equipment for safe use in normal operation, typically (Ex n) equipment.



### WARNING

#### MISUSE OF DOCUMENTATION

- The information presented in this product sheet (or catalogue) is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.



**Failure to comply with these instructions could result in death or serious injury.**

# GXS Series

## Explosion proof limit switches

### Technical information

#### Specifications

<b>Mechanical life:</b>	up to 2 million operations
<b>Degree of protection:</b>	IP66/67, EN 60529
<b>Operating temperature:</b>	-20 °C to 75 °C @ 3 A (-4 °F to 167 °F @ 3 A) -20 °C to 60 °C @ 4 A (-4 °F to 140 °F @ 4 A)
<b>Standards/approvals:</b>	EN 50014: 1997 EN 50018: 1994 CE marked  II 2 G EExd IIC T6  KEMA 00 ATEX 2103 X (‘X’ indicates special conditions for safe use, see certificate)
<b>Electrical rating:</b>	AC15, DC13 ac (Ue): 250 V 4 A dc (Ue): 250 V 0.15 A 1NC/1NO change over contacts Double insulated switch element No internal or external earth connection
<b>Contact material:</b>	Silver
<b>Cable/enclosure:</b>	HO5VV-F, 3 core x 0,75 mm <sup>2</sup> Black (BK) - common Blue (BU) - NC Brown (BN) - NO Fully potted enclosure
<b>Shock:</b>	50 g - IEC 68-2-27
<b>Vibration:</b>	10 g - IEC 68-2-6

### Order guide

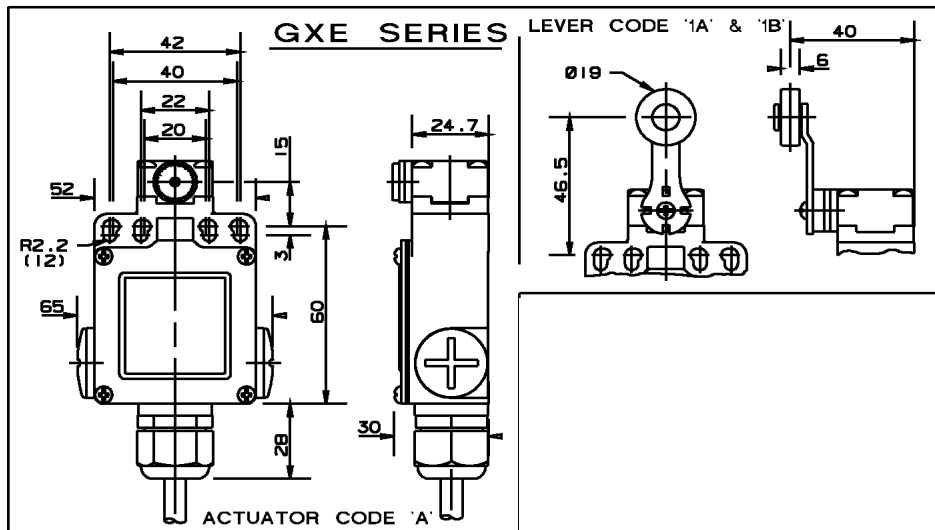
Description	Catalogue Listing
Side Rotary Lever	GXE51A1B
Top Pin Plunger	GXE51B
Top Roller Plunger	GXE51C

# GXS Series

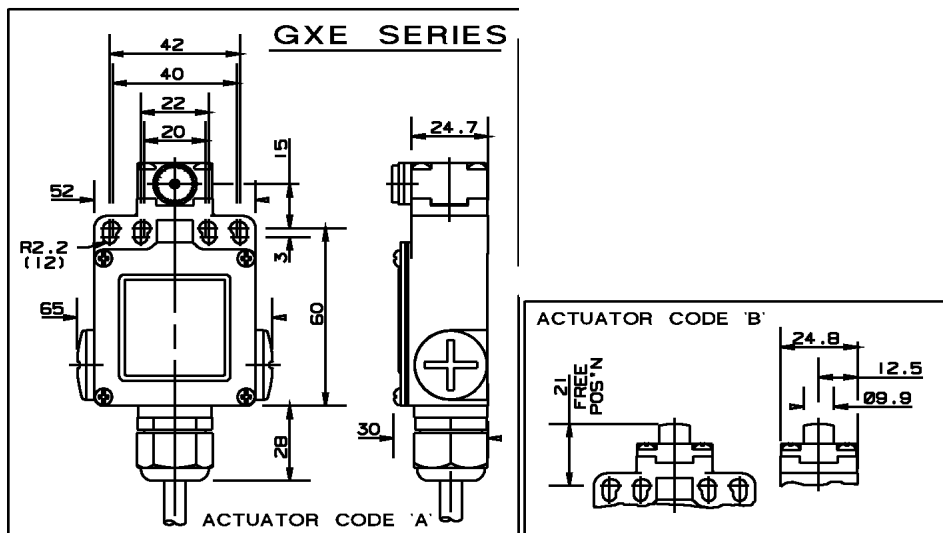
## Explosion proof limit switches

### Mounting drawings (in mm)

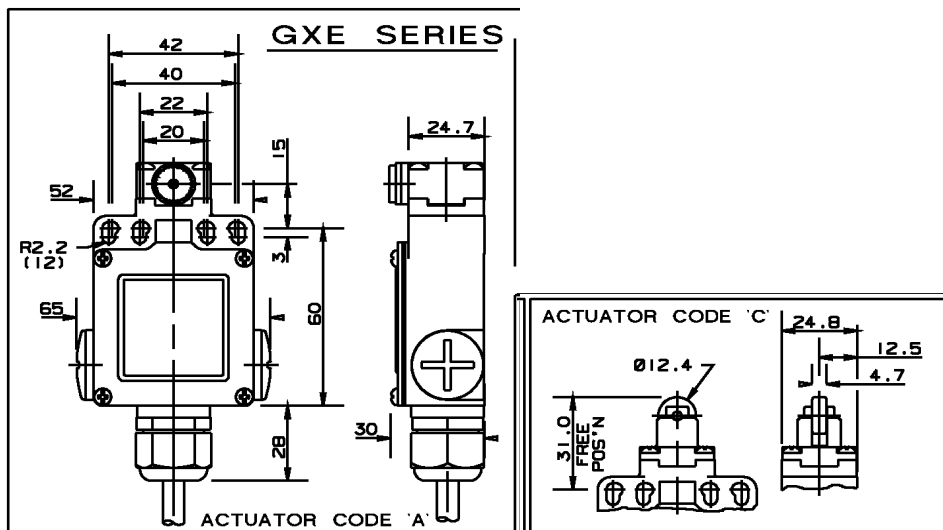
#### GXE51A1B



#### GXE51B



#### GXE51C



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Honeywell warrants goods of its manufacture as being free of defective material and faulty workmanship. Contact your local sales office for warranty information. If warranted goods are returned to Honeywell during that period of coverage, Honeywell will repair or replace without charge those items it finds defective. The foregoing is Buyer's sole remedy and **is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose.**

While we provide application assistance, personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications may change at any time without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

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Honeywell serves its customers through a worldwide network of sales offices and distributors. For application assistance, current specifications, pricing or name of the nearest Authorised Distributor, contact your local sales office or: INTERNET: [www.honeywell.com/sensing](http://www.honeywell.com/sensing)

E-mail: [info.sc@honeywell.com](mailto:info.sc@honeywell.com)

### ASIA PACIFIC

#### Sensing & Control

##### Asia Pacific Headquarters

Phone: +(65) 355-2828  
Fax: +(65) 445-3033

#### Australia

Honeywell Limited  
Phone: +(61) 2-9370-4500  
FAX: +(61) 2-9370-4525  
Toll Free 1300-36-39-36  
Toll Free Fax: 1300-36-04-70

#### China – PRC - Beijing

Honeywell China Inc.  
Phone: +(86-10) 6561-0208  
Ext. 205  
Fax: +(86-10) 6561-0618

#### China – PRC - Shanghai

Honeywell China Inc.  
Phone: +(86-21) 6354-9181  
Fax: +(86-21) 6354-2248

#### China - Hong Kong S.A.R.

Honeywell Ltd.  
Phone: +(852) 2331-9133  
Fax: +(852) 2331-9998

#### China – PRC - Chengdu

Honeywell China Inc.  
Phone: +(86-28) 6786-348  
Fax: +(86-28) 6787-061

#### China – PRC - Guangzhou

Honeywell China Inc.  
Phone: +(86-20) 3879-1169  
Fax: +(86-20) 3879-1269

#### China – PRC - Shenzhen

Honeywell China Inc.  
Phone: +(86) 755-518-1226  
Fax: +(86) 755-518-1221

#### Indonesia

Honeywell Indonesia Pte Ltd.  
Phone: +(6221) 521-3330  
FAX: +(6221) 521-3735

#### India

TATA Honeywell Ltd.  
Phone: +(91) 20 6875-532 /  
6875 534  
Fax: +(91) 20 6875-992

#### Japan

Honeywell Inc  
Phone: +(81) 3 5440 1395  
Fax: +(81) 3 5440 1314

#### South Korea

Honeywell Korea Co Ltd  
Phone: +(822) 799-6114  
Fax: +(822) 792-9011

#### Malaysia

Honeywell Engineering Sdn  
Bhd  
Phone: +(60-3) 7958-4988  
Fax: +(60-3) 7958-8922

#### New Zealand

Honeywell Limited  
Phone: +(64-9) 623-5050  
Fax: +(64-9) 623-5060  
Toll Free (0800) 202-088

#### Philippines

Honeywell Systems  
(Philippines) Inc.  
Phone: +(63-2) 636-1649  
Fax: +(63-2) 636-1650

#### Singapore

Honeywell South East Asia  
Phone: +(65) 355-2828  
Fax: +(65) 445-3033

#### Thailand

Honeywell Systems (Thailand)  
Ltd.  
Phone: +(662) 693-3099  
FAX: +(662) 693-3085

#### Taiwan R. O. C.

Honeywell Taiwan Ltd.  
Phone: +(886-2) 2245-1000  
FAX: +(886-2) 2245-3242

### EUROPE

#### Austria

Honeywell Austria GmbH  
Phone: +(32) 1 727 80 366/246  
FAX: +(32) 1 727 80 337

#### Belgium

Honeywell SA/NV  
Phone: +(32) 2 728 2522  
FAX: +(32) 2 728 2502

#### Bulgaria

Honeywell EOOD  
Phone: +(359) 2 79 40 27  
FAX: +(359) 2 79 40 90

#### Czech Republic

Honeywell spol. s.r.o.  
Phone: +(420) 2 6112 3469/  
3424  
FAX: +(420) 2 6112 3461

#### Denmark

Honeywell A/S  
Phone: +(45) 39 55 55 55  
FAX: +(45) 39 55 55 58

#### Finland

Honeywell OY  
Phone: +(358) 9 3480101  
FAX: +(358) 9 34801375

#### France

Honeywell SA  
Phone: +(33) 1 60 19 82 68  
FAX: +(33) 1 60 19 81 73

#### Germany

Honeywell AG  
Phone: +(49) 69 8064 444  
FAX: +(49) 69 8064 442

#### Hungary

Honeywell Kft.  
Phone: +(36 1) 451 4300  
FAX: +(36 1) 451 4343

#### Italy

Honeywell S.p.A.  
Phone: +(39) 02 92146 450/  
456  
FAX: +(39) 02 92146 490

#### The Netherlands

Honeywell B.V.  
Phone: +(31) 20 565 69 11  
FAX: +(31) 20 565 66 00

#### Norway

Honeywell A/S  
Phone: +(47) 66 76 20 00  
FAX: +(47) 66 76 20 90

#### Poland

Honeywell Sp. zo.o  
Phone: +(48) 22 606 0900  
FAX: +(48) 22 606 0901

#### Portugal

Honeywell Portugal Lda  
Phone: +(351 21) 424 50 00  
FAX: +(351 21) 424 50 99

#### Romania

Honeywell Bucharest  
Phone: +(40) 1 2110076  
FAX: +(40) 1 2103375

#### Commonwealth of Independent States (CIS)

Z.A.O. Honeywell  
Phone: +(7 095) 796 98 36  
FAX: +(7 095) 796 98 93

#### Slovak Republic

Honeywell s.r.o.  
Phone: +(421 7) 58247 403/  
400  
FAX: +(421 7) 58247 415

#### South Africa (Republic of)

Honeywell Southern Africa  
Honeywell S.A. Pty. Ltd  
Phone: +(27) 11 805 1211  
FAX: +(27) 11 805 1354

#### Spain

Honeywell S.A.  
Phone: +(34) 91 313 6100  
FAX: +(34) 91 313 6129

#### Sweden

Honeywell AB  
Phone: +(46) 8 775 55 00  
FAX: +(46) 8 775 56 00

#### Switzerland

Honeywell AG  
Phone: +(41) 1 855 24 40  
FAX: +(41) 1 855 24 45

#### Turkey

Honeywell Turkey A.S.  
Phone: +(90) 216 464 4764  
FAX: +(90) 216 464 4794

#### United Kingdom

Honeywell Control Systems Ltd  
Phone: +(44) 118 906 2600  
FAX: +(44) 118 981 7513

#### Mediterranean & African Distributors

Honeywell SpA  
Phone: +(39) 2 921 46 232  
FAX: +(39) 2 921 46 233

#### Middle East Headquarters

Honeywell Middle East Ltd.  
Phone: +(9712) 443 2119  
FAX: +(9712) 443 2536

### NORTH AMERICA

#### Canada

Honeywell LTD  
Phone: 1-800-737-3360  
FAX: 1-800-565-4130

#### USA

Honeywell  
Sensing and Control,  
International Headquarters  
Phone: 1-800-537-6945  
1-815-235-6847  
FAX: 1-815-235-6545  
E-mail: [info.sc@honeywell.com](mailto:info.sc@honeywell.com)

### LATIN AMERICA

#### Argentina

Honeywell S.A.I.C.  
Phone: +(54-11) 4383-3637  
FAX: +(54-11) 4325-6470

#### Brazil

Honeywell do Brasil & Cia  
Phone: +(55-11) 7266-1900  
FAX: +(55-11) 7266-1905

#### Chile

Honeywell Chile, S.A.  
Phone: +(56-2) 233-0688  
FAX: +(56-2) 231-6679

#### Columbia

Honeywell Columbia, S.A.  
Phone: +(57-1) 623-3239/3051  
FAX: +(57-1) 623-3395

#### Ecuador

Honeywell S.A.  
Phone: +(593-2) 981-560/1  
FAX: +(593-2) 981-562

#### Mexico

Honeywell S.A. de C.V.  
Phone: +(52-5) 259-1966  
FAX: +(52-5) 570-2985

#### Puerto Rico

Honeywell Inc.  
Phone: +(809) 792-7075  
FAX: +(809) 792-0053

#### Venezuela

Honeywell CA  
Phone: +(58-2) 238-0211  
FAX: +(58-2) 238-3391

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# Honeywell

## Honeywell Control Systems Ltd

Newhouse Industrial Estate

Motherwell ML1 5SB

Scotland, UK

[www.honeywell.com/sensing](http://www.honeywell.com/sensing)