

Alpago, 14th April 2022

We

Eliwell Controls srl
ZONA INDUSTRIALE - LOC. PALUDI
32016 ALPAGO (BL) ITALY

declare under our responsibility that the products listed belonging to the range:

NSD fixed setting pressure switches

have been tested to IEC 60079-15, and are classified as nC components (non-sparking 'n' electrical apparatus). This condition complies to Annex BB of EN/IEC 60335-2-89 and clause 22.116 of EN 60335-2-40.

Conformance to Annex BB EN/IEC 60335-2-89 and and clause 22.116 of EN 60335-2-40 is considered sufficient, and thereby suitable, for commercial refrigeration and HVAC applications applying flammable gas refrigerants, such as R290.

However, other limitations, equipment, locations and/or type of machine (refrigerators, vending machines and dispensers, bottle coolers, ice machines, Reach-Ins, etc.) may also be implicated, restricted and/or required in so doing.

The use and application of the information contained herein require expertise in the design and parameterizing/programming of the refrigeration control systems. Only you—the original equipment manufacturer, installer or user—can be aware of all the conditions and factors present, and the regulations applicable, during the design, installation and setup, operation, and maintenance of the machine or related processes. Therefore, only you can determine the suitability of automation and associated equipment, and the related safeties and interlocks, which can be effectively and properly used in the locations for which the equipment is to be put into service. When selecting automation and control equipment, and any other related equipment or software for an application, you must also consider any applicable local, regional or national standards and/or regulations.

Eliwell Controls srl

Società Unipersonale

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Reg.Impr. BL 00987080256
R.E.A: BL n.87539
Cap. Soc. Euro 10.000.000,00 i.v.

www.eliwell.com

Direzione e coordinamento: Schneider Electric SE

You must verify, while incorporating this pressure switches and related equipment, the final compliance of the machine to regulations and standards when using flammable gas refrigerants. Although all statements and information contained herein are believed to be accurate and reliable, they are presented without warranty of any kind. Information provided herein does not relieve you from the responsibility of carrying out your own tests and validations of conformance to any applicable regulations.

⚠ WARNING

REGULATORY INCOMPATIBILITY

Be sure that all equipment applied and systems designed comply with all applicable local, regional and national regulations and standards.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

R&D Director



this document is not subjected to periodical review and it can be considered valid at the specified date of emission. Please refer to our associated technical literature or contact our technical support for updated informations

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Appendix

This Appendix details the list of compatible refrigerants and the covered ranges of the declaration.

The products belonging to the ranges:

NSD fixed setting pressure switches, Automatic reset SPST and SPDT with wire connection

NSD fixed setting pressure switches, Automatic reset SPST with 1/4" quick connector

NSD fixed setting pressure switches, Manual reset SPST and SPDT

are suitable for the use with the following refrigerants:

Refrigerant	Safety Group
R1224yd(Z)	A1
R1233zd	A1
R1234zd	A1
R1336mzz(E)	A1
R1336mzz(Z)	A1
R1311	A1
R134a	A1
R404A	A1
R407C	A1
R407F	A1
R407G	A1
R407H	A1
R407I	A1
R410A	A1
R417B	A1
R417C	A1
R422E	A1
R442A	A1
R448A	A1
R449A	A1
R449B	A1
R449C	A1
R450A	A1
R452A	A1
R452C	A1
R453A	A1
R454A	A1

Refrigerant	Safety Group
R456A	A1
R458A	A1
R460A	A1
R460B	A1
R460C	A1
R461A	A1
R463A	A1
R464A	A1
R507	A1
R513A	A1
R513B	A1
R515A	A1
R515B	A1
R1132a	A2
R419B	A2
R439A	A2
R440A	A2
R462A	A2
R465A	A2
R512A	A2
R1234yf	A2L
R1234ze	A2L
R32	A2L
R123	A2L
R444A	A2L
R444B	A2L
R445A	A2L

Refrigerant	Safety Group
R446A	A2L
R447A	A2L
R447B	A2L
R451A	A2L
R451B	A2L
R452B	A2L
R454B	A2L
R454C	A2L
R455A	A2L
R457A	A2L
R459A	A2L
R459B	A2L
R467A	A2L
R468A	A2L
R516A	A2L
R290	A3
R436C	A3
R441A	A3
R443A	A3
R511A	A3
R600a	A3
R1150	A3
R170	A3
R514A	B1
R1130(E)	B1

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NSD fixed setting pressure switches, Automatic reset SPDT with 1/4" quick connector

are suitable for the use with the following refrigerants:

Refrigerant	Safety Group
R1224yd(Z)	A1
R1233zd	A1
R1234zd	A1
R1336mzz(E)	A1
R1336mzz(Z)	A1
R131l	A1
R134a	A1
R404A	A1
R407C	A1
R407F	A1
R407G	A1
R407H	A1
R407l	A1
R410A	A1
R417B	A1
R417C	A1
R422E	A1
R442A	A1
R448A	A1
R449A	A1

Refrigerant	Safety Group
R449B	A1
R449C	A1
R450A	A1
R452A	A1
R452C	A1
R453A	A1
R454A	A1
R456A	A1
R458A	A1
R460A	A1
R460B	A1
R460C	A1
R461A	A1
R463A	A1
R464A	A1
R507	A1
R513A	A1
R513B	A1
R515A	A1
R515B	A1

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NSD fixed setting pressure switches CO2 models (NSDCA)

are suitable for the use with the following refrigerants:

Refrigerant	Safety Group
R1224yd(Z)	A1
R1233zd	A1
R1234zd	A1
R1336mzz(E)	A1
R1336mzz(Z)	A1
R13I1	A1
R134a	A1
R404A	A1
R407C	A1
R407F	A1
R407G	A1
R407H	A1
R407I	A1
R410A	A1
R417B	A1
R417C	A1
R422E	A1
R442A	A1
R448A	A1
R449A	A1
R449B	A1

Refrigerant	Safety Group
R449C	A1
R450A	A1
R452A	A1
R452C	A1
R453A	A1
R454A	A1
R456A	A1
R458A	A1
R460A	A1
R460B	A1
R460C	A1
R461A	A1
R463A	A1
R464A	A1
R507	A1
R513A	A1
R513B	A1
R515A	A1
R515B	A1
R744	A1

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