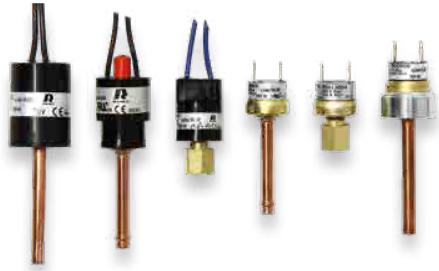


NSD

Fixed setting pressure switches



Applications

The NSD range of electromechanical pressure switches with fixed setting are compact, lightweight and easy to install.

They are products designed to protect refrigeration systems against critical conditions by setting high or low pressure limits. The stainless steel control element is designed so as to ensure a better life of the product with high performance.

Thanks to the modern construction technology, NSD pressure switches offer the best solutions for applications in refrigeration systems, residential and commercial air conditioning, automotive, ice machines, etc.

They can also be used to control the pressure in hydraulic or steam systems, in air compressors and in industrial equipment.

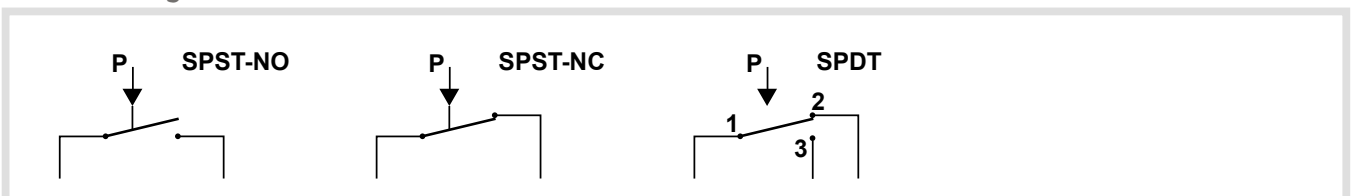
Technical data

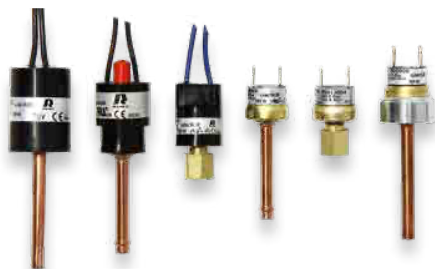
Technical data	NSD
Compatible refrigerants:	HCFC, HFC, HFO, HC and respective lubricant oils, CO ₂
Contacts configuration:	SPST-NO, SPST-NC, SPDT
Reset:	Automatic or manual
Standard electrical connections:	Fast-on 1/4" (6.35 mm) 1.0 m cable UL1015 (0.82 mm ² / 18 AWG) Other types of electrical connections upon request
Standard pressure fitting:	7/16-20 UNF with depressor Other types of fittings upon request
Contact resistance:	< 50 mΩ
Dispersion current:	< 0.75 mA
Resistance to flame:	94V-0
Protection rating:	IP67 (versions with cable)
Ambient operating temperature:	-30°C...+80°C
Fluid temperature:	-54°C...+135°C
Storage and transport temperature:	-60°C...+105°C
Pressure range:	Automatic reset: -1 ... +55 bar (-14.50 ... 797.70 psi) Manual reset: 10 ... 55 bar (145.03 ... 797.70 psi) CO₂ applications: 90 ... 180 bar (1305.33 ... 2610.67 psi)
Max system pressure	0 ... 1.5 bar: 28 bar 1.5 ... 31 bar: 45 bar >31 bar: 1.43xWork Pressure
Available approvals:	VDE; UL; PED classification cat. IV

Load features

Models	Reset	Load type	Voltage	Load	Piloting service [VA]
NSDHM	Manual Reset - SPST	Motor	120 / 240 Vac	6 FLA - 36 LRA	---
		Motor	120 Vac	6 FLA - 36 LRA	375
NSDHA NSDHF NSDLA NSDCA	Automatic Reset - SPST	---	240 Vac	3 FLA - 18 LRA	---
		---	36 Vdc	3 A	---
		Motor	24 Vac	---	125
		Motor	120 Vac	6 FLA - 36 RLA	375
		Resistive or inductive	240 Vac	6 FLA - 36 RLA	---
NSDHA NSDLA	Automatic Reset - SPDT	---	250 Vac	6 A	---
		---	36 Vdc	3 A	---
		Motor	24 Vac	---	125
		Motor	120 Vac	6 FLA - 36 RLA	375
		Inductive	240 Vac	3 FLA - 18 RLA	---
			250 Vac	3 A	---

Contacts configuration





Code*	Application	Reset	Cut out (bar)	Cut in (bar)	Contact configuration	UL models family
NSDHA00B39101	High Pressure	automatic	18	13	SPST - NC	NSD03H
NSDHM00C39006		manual	18	13	SPST - NC	NSDM
NSDHA00B39107		automatic	24	18	SPST - NC	NSD03H
NSDHA00B39102		automatic	26	20	SPST - NC	NSD03H
NSDHA00B39103		automatic	28	21	SPST - NC	NSD03H
NSDHM00C39007		manual	28	21	SPST - NC	NSDM
NSDHA00B39104		automatic	42	33	SPST - NC	NSD03H
NSDHM00C39008		manual	42	33	SPST - NC	NSDM
NSDLA00A39112	Low Pressure	automatic	0.7	1.7	SPST - NO	NSD03L
NSDLA00A39100		automatic	1.7	2.7	SPST - NO	NSD03L
NSDLA00A39114		automatic	2.5	4.2	SPST - NO	NSD03L
NSDHF00A39103	Fan control	automatic	8.5	11	SPST - NO	NSD03H
NSDHF00A39104		automatic	13	16	SPST - NO	NSD03H
NSDCA11B32300	High pressure CO ₂	automatic	125	90	SPST - NC	//

* Standard codes with 1 m cable length, and ¼ SAE female connection with depressor

Dimensions

