



Extinguishing technology Halocarbon agents **P21.231.430 - 2**

Monitoring device Halocarbon agents

Contact pressure gauge UL, VSN 1230

Approvals



¹⁾ Listed system covered by UL-file EX26532 (Ar, VSN 200 and VSN 1230)

²⁾ Part of the system approval



SAP designation

e.g. part no. 889303: Contact pressure gauge UL 725 (50) psi (bar)/ 324 (22.5) NC FK-5-1-12

Maintenance

Functional check within the framework of system-specific functional test.

Spare parts

- O-ring part no. 888023
- Supporting ring O-ring part no. 888024

Nominal pressure at 70 °F (21 °C) psi (bar)	Switching mode ³⁾	Part no.	Pressure range / switching point psi (bar)	max. Pressure psi (bar)	Tolerance acc. to UL / ULC psi (bar)	Weight kg (lbs)
360 (25)	break contact (NC)	889303	870 / 324 (60 / 22.5)	725 (50)	± 19 (± 1.3)	0.17 (0.37)
610 (42)		889304	1160 / 549 (80 / 37.8)	1015 (70)	± 21 (± 1.4)	
725 (50)		889305	1450 / 653 (100 / 45)	1160 (80)	± 23 (± 1.5)	
360 (25)	make contact (NO)	889300	870 / 324 (60 / 22.5)	725 (50)	± 19 (± 1.3)	
610 (42)		889301	1160 / 549 (80 / 37.8)	1015 (70)	± 21 (± 1.4)	
725 (50)		889302	1450 / 653 (100 / 45)	1160 (80)	± 23 (± 1.5)	

³⁾ Note switching mode

Break contact (NC) - pressureless closed:
At nominal pressure the contact is opened. Contact makes with falling pressure or anticlockwise pointer motion.

Make contact (NO) - pressureless opened:
At nominal pressure the contact is closed. Contact breaks with falling pressure or anticlockwise pointer motion.

Technical data

Pressure mediumFK-5-1-12
Nominal size50
Accuracy class1.6
Temperature ranges-40 °C to +60 °C (-40 °F to 140 °F)
.....measuring medium max. +60 °C (140 °F)
IP codeIP65 with mounted cable
Measuring network, motion workcopper alloy

Electrical data

Switching voltage4.5 – 24 V DC / VAC
Switching current5 – 100 mA
Contact loadmax. 3 W, dry contact
Conducting wiretwo-core, 100 cm (39.37")
Cross-section of conducting wire ...0.14 mm² (0.000217 square inch),
.....AWG 26

Design of instrument dial

Design of instrument dialaccording to UL 2166
Materialaluminium, white
Scaledual scale (bar / psi)
Indicating range0 to pressure range
Indicating range marked:
- 0 to IRecharge
- I to IIred
- II to IIIgreen
- III to IVred
- IV to max.Overcharged



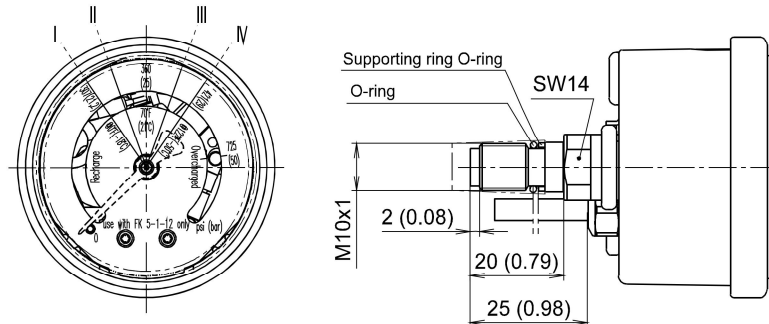
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Dimension drawing

Dimensions in mm (inch)



Indicating range marked

Nominal pressure at 70 °F (21 °C) psi (bar)	Red area I to II	Green area II to III	Red area III to IV	Marking at nominal pressure	Marking at I	Marking at IV
360 (25)	307-324	324-396	396-421	360 I (25) I 70°F I (21°C)	307 (21) @0°F (-18°C)	421 (29) @122°F (50°C)
610 (42)	500-549	549-671	671-696	610 I (42) I 70°F I (21°C)	500 (34) @0°F (-18°C)	696 (48) @122°F (50°C)
725 (50)	616-653	653-798	798-833	725 I (50) I 70°F I (21°C)	616 (42) @0°F (-18°C)	833 (57) @122°F (50°C)