



Warning: Before installation, commissioning, and operation, ensure that the pressure transmitter is suitable for the application in terms of measuring range, design and environmental conditions. Non-observance can result in serious injury and/or damage to equipment.

Intended use: This instrument converts pressure into an electrical signal.

The instrument has been designed and built solely for the intended use described here and may only be used accordingly. If the equipment is used in a different manner, the protection provided by the equipment may be impaired and Trafag shall not be liable for any claims at all.

Datasheets

NHT 8250



www.trafag.com/H72338

NAT 8252



www.trafag.com/H72303

NAH 8254



www.trafag.com/H72304

NAE 8256



www.trafag.com/H72305

NAR 8258



www.trafag.com/H72307

Safety Instructions

Ex devices



www.trafag.com/H73174

Pressure switch parameterization tool

Hardware: Sensor Master Interface SMI



www.trafag.com/H72618



Software: Sensor Master Communicator SMC



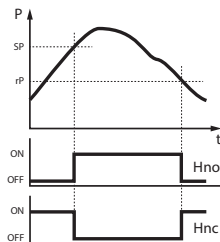
Download the Android app
in the Google Play Store



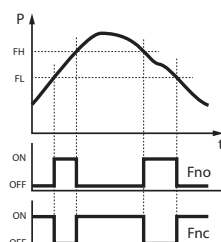
Download the Windows app in the Microsoft store
<https://www.microsoft.com/store/productId/9NK63QX8XXBK>

Functions switching output

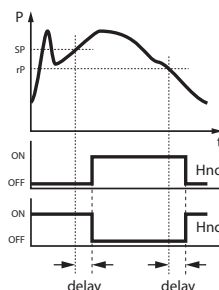
Hysteresis



Window

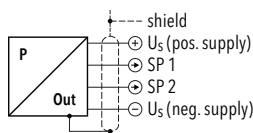


Delay



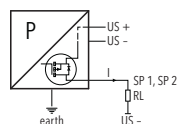
Connection of the measuring equipment

Switching output

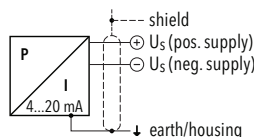


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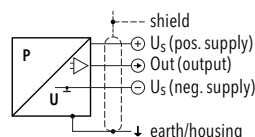
Connection of loads to switch contacts



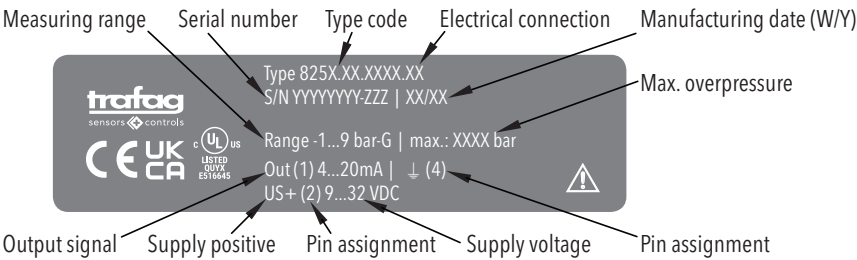
Current output 2-wires



Voltage output 3-wires



Type label description (example)



Electrical connections

Designation	Industrial standard	M12x1 4-pole	M12x1 5-pole	MIL-C 26482	DT04 3-pole	DT04 4-pole
Type code	825X.XX.XXXX.01	825X.XX.XXXX.32	825X.XX.XXXX.35	825X.XX.XXXX.02	825X.XX.XXXX.D3	825X.XX.XXXX.D4
Ambient temperature range	-40°C ... +125°C	-40°C ... +125°C	-40°C ... +125°C	-40°C ... +125°C	-40°C ... +125°C	-40°C ... +125°C
UL-rated ambient temperature range	-20°C ... +80°C	-20°C ... +80°C	-20°C ... +80°C	-20°C ... +80°C	-20°C ... +80°C	-20°C ... +80°C
Pin configuration						

Designation	JST SH Series	Cable
Type code	825X.XX.XXXX.J4	825X.XX.XXXX.22/24/08/88/A1
Ambient temperature range	-40°C ... +125°C	22/A1: -30°C ... +80°C 08: -40°C ... +125°C 24: -40°C ... +70°C 88: -40°C ... +100°C
UL-rated ambient temperature range	-20°C ... +80°C	22: -20°C ... +80°C 24: -20°C ... +70°C 08/88: -20°C ... +80°C A1: -20°C ... +80°C
Pin configuration		 RD: red BK: black WH:white GN:green BN: brown YE: yellow YE/GN: yellow/green

Output	Load resistance	I _{SUPPLY}	U _{SUPPLY}
4 ... 20 mA	see graphic		9 ... 32 VDC
0 ... 6 VDC ranges	≥ 5.0 kΩ to Us-	≤ 20 mA	9 ... 32 VDC
0 ... 10.1 VDC ranges	≥ 5.0 kΩ to Us-	≤ 15 mA	15 ... 32 VDC
0.5 ... 4.5 VDC ratiom.	≥ 5.0 kΩ to Us-	≤ 10 mA	4.75 ... 5.25 VDC
2 PNP Transistors		≤ 10 mA	9 ... 32 VDC
1 PNP Transistor		≤ 10 mA	9 ... 32 VDC

4...20mA: min./max resistor vs. supply voltage @ Pmax = 100%

