

Temperature Gauges / Electrical Contacted Thermometers / Standard Contacted Type / Ø 100 mm.

CONSTRUCTIVE PROPERTIES

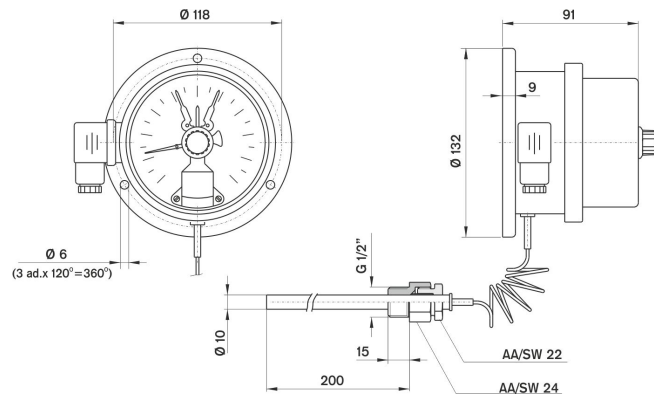
	STANDARD	OPTIONAL
Mounting Type	Bottom Connection	Back Connection
Scale Range (T)	-30/+60°C 0/+120°C 0/+160°C 0/+300°C	
Case	Stainless Steel AISI-304	Stainless Steel AISI-316L
Bezel	Stainless Steel AISI-304	Stainless Steel AISI-316L
Window	Polycarbonate	-
Connection	G 1/2" B	1/2" NPT
Dial	Aluminum	-
Pointer	Aluminum	-
Filling Liquid	-	Silicon Oil
Contact Types	1NO 1NC 2NONO 2NONC 2NCNC 2NCNO Inductive	
Capillary Tube	Stainless Steel AISI-316L	-
Capillary Tube Length (T)	3m 5m	-
Temperature Element	Gas Actuated	-
Thermowell	-	Stainless Steel AISI-316
Immersion Length	200mm	250mm 300mm 400mm 500mm
Bulb Ø	10mm	-



TK100DS5

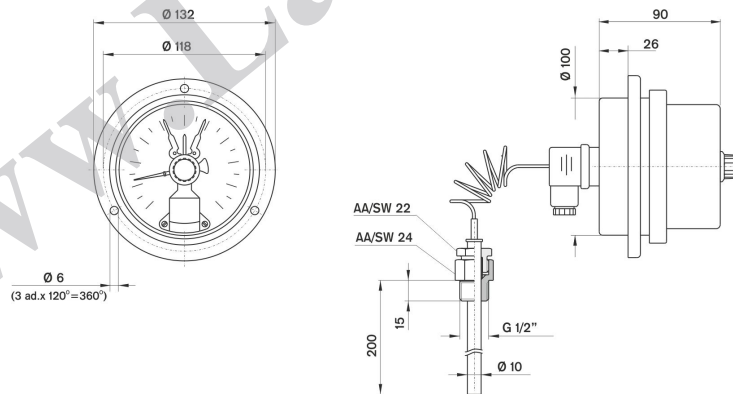
USAGE PROPERTIES

Ambient Temperature	- 40...+ 60°C	-
Accuracy Class	CL 2.0	CL 1.0
Protection Rate	IP 55	IP 65
Optimum Operating Range	Between 0,0 x PN and 1,0 x PN	
Storage Temperature	-40 ... +70 °C	-
Conformity	EN 13190	ATEX 94/9/EC



Model No: TK100DS5

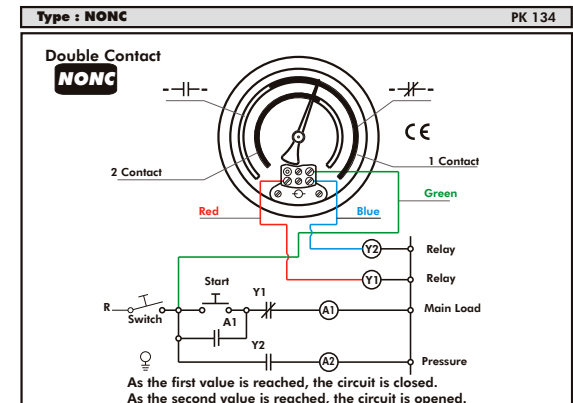
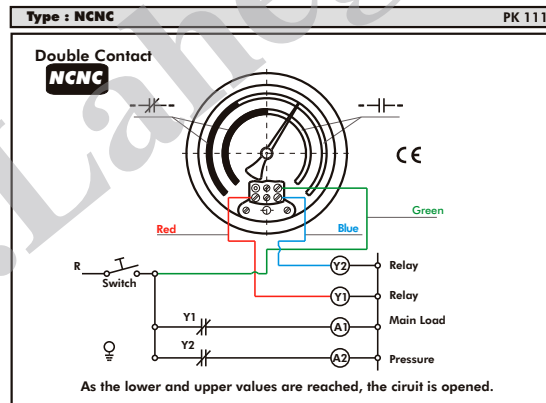
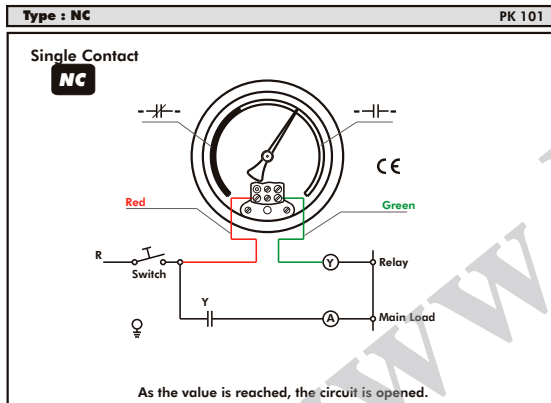
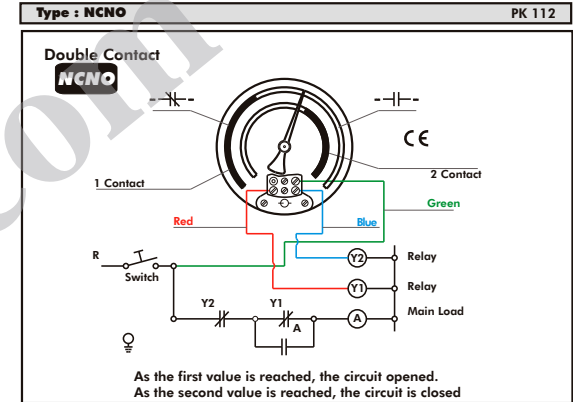
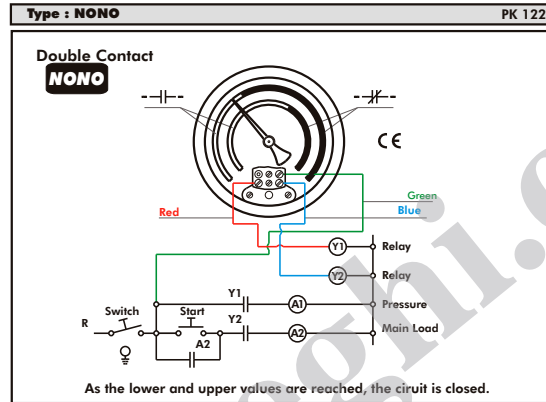
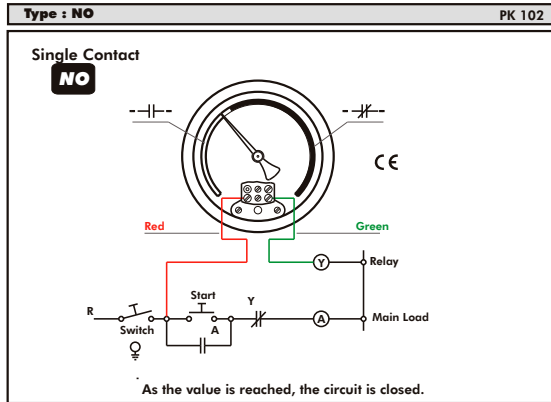
Bottom Connection with Back Flange



Model No: TK100DS4

Back Connection with Front Flange

Connection Styles of Pressure & Temperatures Gauges with Contacts



The connection circuits sketched above are recommended.

Pressure and temperature gauges shall not be directly connected to the electrical circuits. Supplementary relays having a coil current of max. 400 mA must be used.

More attention must be paid not to pass over high current over the contacts.

After suitable connection of the pressure gauges to the electrical circuit has been done, still the contact snaps frequently in presence of vibration, an isolating device, such as pulsation dampner, syphone, shall be mounted between the process connection and the gauge inlet or it is advised to use the liquid filled types.

The switching delay of the contacts changes between 2 % and 4 % of the full scale value. However, it may show variations depending on the velocity of the pointer.

Electrical Parameters				
Voltage	Direct Current	Max. Inductive Load	Switching Capacity	Max. Thermal Current
230 V	100 mA	65 mA	30 W / 50 VA	0,7 A
110 V	200 mA	130 mA		
50 V	300 mA	200 mA		
24 V	400 mA	250 mA		

ELECTRICAL CONTACT CONTROL KIT

Save time and money

We do advise this product for those whom he does not want to spend time with above diagrams.

Model No. : 2650 9171 00
Elec. Contact Control Kit - 10A

EXAMPLE CONNECTION CIRCUIT for PRESSURE GAUGE with "NCNO" CONTACT

The pump pressure initially rises to the upper value it stops, as the value reaches to the lower value, again starts and cycle repeats.

