

ELECTRIC CONTACTS

MAGNETIC ASSISTED

**100mm (4") and 150mm (6")
For pressure and temperature gauges**



Mode of Operation

By means of a withdrawal key the setting pointer is set from outside to the level at which the switching operation should occur. This setting may be at any point on the scale. If the position of the display pointer coincides with that of the setting pointer, the switching operation is initiated by the contact pins. With double contacts the process is the same, at two set levels.

With double contacts the upper and lower level setting pointers can be set so that the difference in switching levels is about 1% of the final value on the scale. The construction of the contact devices allows the pointer of the instrument to continue to indicate, above the set switching level, after the switching operation has occurred.

Standard contact devices with magnetic pressure increase

Can be used under virtually all operating conditions. They are very largely insensitive to vibration. The contact pin holder of the setting pointer is fitted with an adjustable magnet which attracts the contact arm just before the pre-set level is reached. This avoids arcing and scorching of the contact pin. Since in this design the force of the magnet applies during the switching operation, the setting pointer must be adjusted forwards or backwards by the resultant difference in the switching level, about 3-6% of the final value on the scale. This difference can be varied by the adjusting screw on top of the magnet.

Switching capacity

These contact devices are suitable for d.c. or a.c. currents up to 380 V and switching capacities up to 30 VA. The current to be switched should not exceed 1A. (A special design can be supplied for switching capacities up to 50 VA). If required the contact devices can be supplied in an intrinsically safe design, i.e. suitable for connection to intrinsically safe relays.

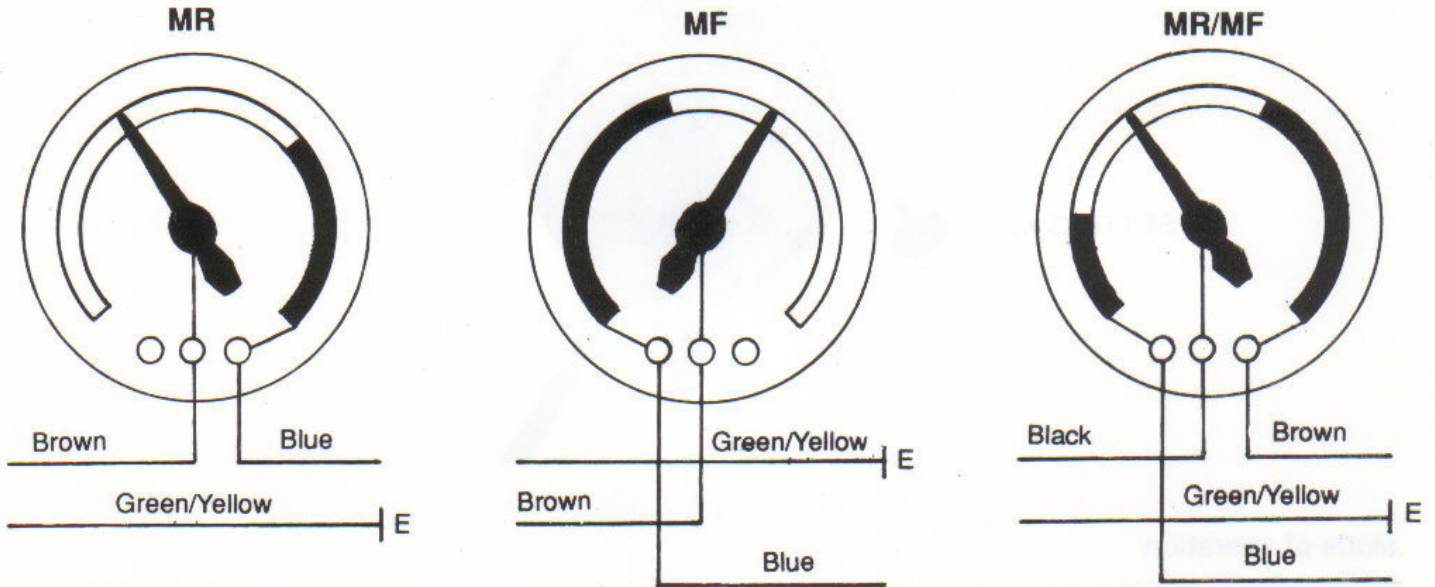
Modes

Single: M/R or M/F

Double: MR/MF or MF/MF or MR/MR or MF/MR

Other modes available on request

Magnetic Contact Wiring Diagrams



Auxiliary Pointers Min-Max-Set

Suitable for use on 100mm (4") and 150mm (6") dial pressure gauges and thermometers

