

ELECTRICAL CONTACT

SWITCHING CAPACITY:

- 250V maximum voltage
- 30W DC maximum switching power
- 50VA AC maximum switching power
- 1A maximum current

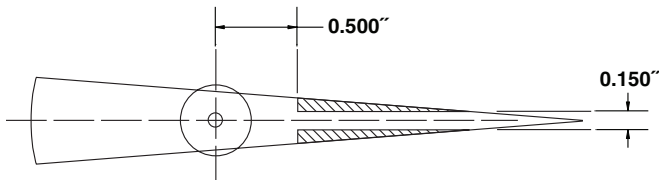
Accuracy with no magnet effect, see paragraph #3

FUNCTION	DURAGAUGE® PRESSURE GAUGE				DURATEMP® THERMOMETER	
	Above 30 psi		30 psi and below		Indication	Contact
	Indication	Contact	Indication	Contact		
Pointer Carrying Actuating Arm	0.5%	1%	1%	1.5%	1.5%	2%
Pointer Carrying one Contact 20% Beyond Contact Point	1%	-	-1.5%	-	2%	-
Contact Differential Between Make and Break	-	-1%	-	-1.5%	-	2%

NOTE: These tolerances are to be added to the standard tolerance of the gauge or thermometer.

INSTALLATION

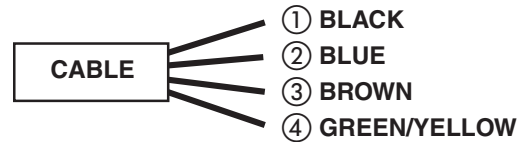
1. Remove instrument ring and replace window with electric contacts. Make sure gasket is reinstalled as it was used with the window. Gasket is not reused with 6" DURATEMP® Thermometer type 600-04 and 600-03.
2. The forked actuating arm is designed to fit freely over the standard DURAGAUGE® Pressure Gauge pointer, but special pointers and all DURATEMP® Thermometer pointers need to be modified as shown in order to fit in the fork.



3. Disconnect power before readjusting magnets. The contacts are equipped with adjustable magnets to eliminate contact chatter caused by vibration. The magnets as received are set to have no effect on the contacts. For applications involving vibration, the magnet screw should be turned in until the magnet's effect eliminates the vibration. Secure the magnets with Loctite or other suitable material. The force of the magnets could add up to 3% to 6% accuracy error to the values in the table.
4. Place the contact unit on the gauge so that the forked actuating arm fits over the indicating end of pointer. If the fork hits the dial, clip the tip off or bend the fork out so that it no longer interferes with any portion of the dial. Gauge pointer may be bent up to fit into the forked actuating arm.
5. Replace window retaining ring.

WIRING

Wire contact according to its corresponding schematic as shown. Contact conditions are shown at lowest pointer position. Connect the wires to the corresponding colored wire from the cable provided with the contact, and then plug the cable into the contact. For single low or high contact operation, follow the (XED) schematic and tape off the unused wire.

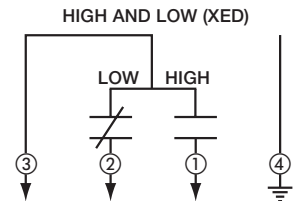


ADJUSTMENT

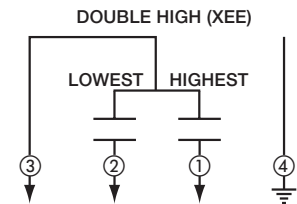
Take the adjusting key provided and place over the square shaft in the center of the hood, push down, rotate the adjusting arm and then move the red set arms to the desired location on the dial.

DEFINITIONS

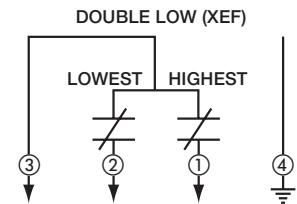
XED High and Low Arrangement – the low contact is closed and the high contact is open when the pointer is at its lowest dial reading.



XEE Double High Arrangement – both contacts are open when the pointer is at its lowest dial reading. Due to the high hairspring torque of these contacts, the gauge pointer may be slightly above its lowest dial reading.



XEF Double Low Arrangement – both contacts are closed when the pointer is at its lowest dial reading.



XEG "Off" at High and Low and "On" In-between Arrangement – the contacts are closed in the center portion of the dial and open at the extremes of the range.

