

# NORRISEAL CONTROLS



MANUFACTURED IN CANADA BY ALBERTA OIL TOOL

## SERIES 5000 TEMPERATURE CONTROLLER DIRECT OR INDIRECT ACTING

### SPECIFICATIONS

Probe Lengths.....	8" & 12"
Range .....	0° - 650° F.
Process Connection .....	1" N.P.T.
Process Working Pressure .....	3000 psi.
Accuracy.....	2%

#### FOR PNEUMATIC ONLY

Supply Connections .....	1/4" N.P.T.
Supply Pressure .....	15 - 30 psi.
Approximate calibration, one dial division equals temperature change of 20° F. (for Pneumatic).	

#### FOR ELECTRIC ONLY

Power Connection .....	1/2" N.P.T.
Standard Switch: Explosion Proof 15 Amperes. 125/250/480 volts A/C non-inductive, single pole double throw	

### HOW IT WORKS

The series 5000 operates on the dependable bi-metallic thermal expansion principle. The outer metal tube expands and contracts in proportion to change in temperature. The dissimilar inner metal, connected to the outer tube at one end, is pulled along with temperature increase and is pushed back with temperature decrease. Motion of inner metal moves a lever bar. The lever bar moves the pneumatic pilot thrust pin or the plunger of an electrical switch.

#### PNEUMATIC - NON BLEEDING

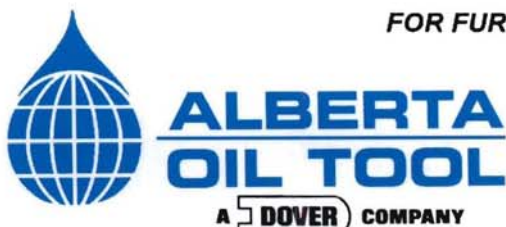
- Convertible to electric operation
- Output proportional to temperature change
- Non-bleeding force balance pilot
- Mechanically reversible - direct or indirect

#### ELECTRIC

- Reversing is simple, no added parts
- Model EXQ - explosion proof micro switch - UL & CSA approved.  
Class 1 groups C & D, Class 2 groups E, F & G.



FOR FURTHER INFORMATION PLEASE CONTACT:



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