High Temperature Pressure Switch Basic Dimensions (Automatic Reset)

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1.0 PURPOSE

To outline the basic dimensions of the High Temperature Pressure Switch (automatic reset).

2.0 BASIC DIMENSIONS

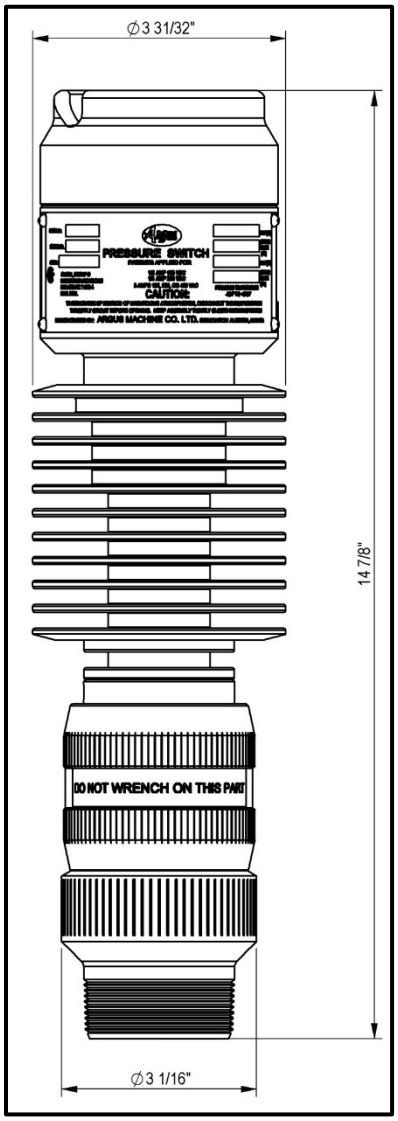


Figure 1: Model AEF-HT High Temperature Pressure Switch 2" NPT Connection

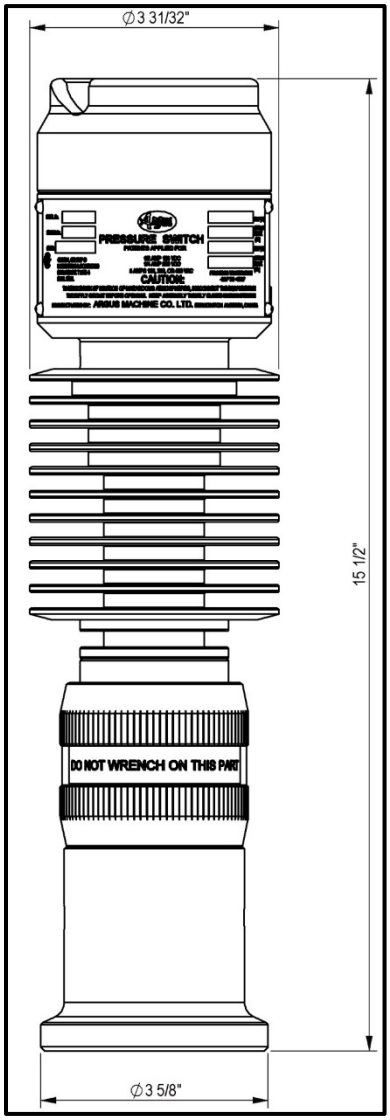


Figure 2: Model AEF-HT High Temperature Pressure Switch 2" Hub-Style Connection

Specifications are Subject to Change Without Prior Notice – All Dimensions: inch [mm]

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PERMIT TO PRACTICE
ARGUS MACHINE CO LTD
RM SIGNATURE:
RM APEGA ID #: 71094
DATE: 08 Mar 2023
PERMIT NUMBER: P008389
The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

Created By:	Dave Paclibar
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3.0 IMPORTANT NOTICE

3.1 If the High Temperature Pressure Switch (automatic reset) is being used in conjunction with a gas engine that has a CD (capacitor discharge) ignition (e.g. *Kubota*), precautions should be taken to eliminate any high (spiking) DC voltage from interfering with the operation of the microswitch. High (spiking) DC voltage may cause premature failure of the microswitch.

3.2 See Figure 3 below for one possible solution using a *MurCal MS2100 Multipurpose Tattletale*. This device can be used to make two circuits, break another when tripped, and operates from a CD ignition.

3.3 Every application should be assessed by the installer at the time of installation.

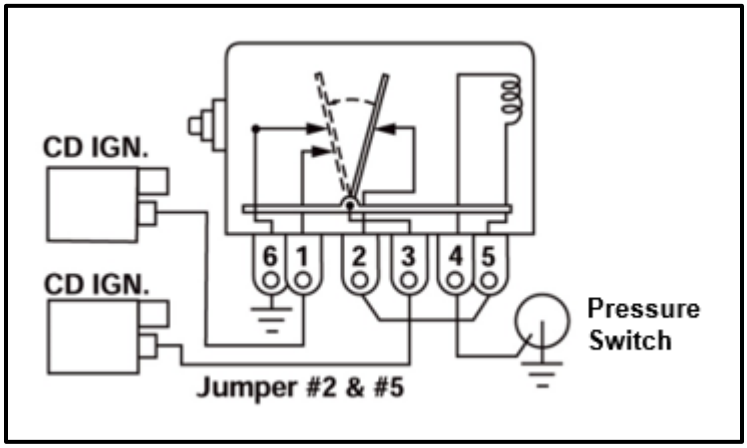


Figure 3: *MurCal MS2100* Wiring Diagram

Caution:
This configuration may not work in all cases.

4.0 REFERENCE STANDARDS

High Temperature Pressure Switches (automatic reset) are designed and manufactured to meet the requirements of:

ASME B31.3	Process Piping
CSA C22.2 No. 30	Explosion-Proof Enclosures for Hazardous Locations
NACE MR0175	Standard Material Requirements for Sour Service
ABSA CRN No.: OF2161.2134	Alberta Boiler's Safety Association

5.0 PATENTS

High Temperature Pressure Switches (automatic reset) are covered by the following patents:

Canada	2,129,290
	2,158,623
	2,178,401
United States	5,554,834
	5,670,766

For information on product warranty, please call our toll free number: 1-888-434-9451.

 AJN