The AME 13 SU/SD actuators are low voltage proportional actuators that are available with spring return function that are installed on the pressure independent control valve AB-QM in sizes ranging from ½” to 1¼”. The spring return function of the AME provides a safety open or close of the valve in the event of power failure. Other features of the AME 13 SU/SD include:
- No tool requirement for installation
- Linear characteristic actuator
- Force sensitive switch-off reducing overload to the actuator

**Model Number**
- AME 13 SU
- AME 13 SD

**Code No.**
- AME 13 SU: 082H3044
- AME 13 SD: 082G3006

**Specification**
The motorized actuator shall be 24VAC powered and mount to the AB-QM valve body. The actuator shall be capable of ensuring that excessive overload travel of actuator does not occur and have a safety function of either full close or full open in the event of power failure. The operation of the actuator shall be determined based upon a proportional input signal of 0-10VDC, 2-10VDC, 0-20mA, or 4-20mA and in addition be capable of a feedback signal for position indication. The actuator characteristic shall be linear.
The actuator should be mounted with the valve stem in either horizontal position or pointing upwards. The actuator is fixed to the valve body by means of a mounting ring which is tightened by hand and requires no additional tools for mounting. Prior to wiring the valve it is recommended that the actuator is mounted.

Mounting

AME 13 SD (082G3006):
A spacer (prt# 003Z0257) is required to be placed between the AB-QM valve body and the motor actuator. Then the actuator is tightened to the valve.

AME 13 SU (082H3044):
An adapter (prt# 003Z3960) is required to be installed onto the AB-QM valve prior to the installation of the actuator. Then the actuator is tightened to the valve.

Wiring

- **SP**: 24 VAC/DC .................Power supply
- **SN**: Neutral .....................Common
- **Y**: 0(2) to 10VDC ..............Input Signal
- **X**: 0(4) to 20mA
- **0(2) to 10VDC ..............Output signal

Dimensions

- **4.7 in (121 mm)**
- **3.2 in (83 mm)**
- **4.2 in (107 mm)**

Distance:
- **min 7/8 in (200 mm)**