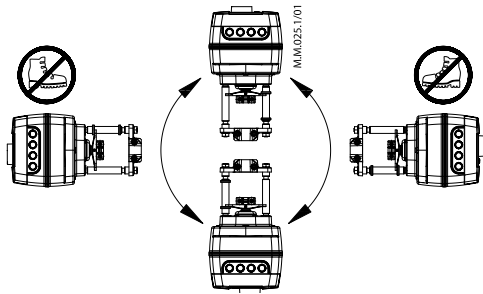




# Submittal

# AB-QM Pressure Independent Balance and Control Valve

## Orientation / Mounting



The allowable orientation of the actuator can be installed in all positions. Allow for necessary clearance for maintenance and for the mounting of the actuator to the valve. A M8 socket to mount the actuator to the valve and a 4mm Allen key to link the valve stem to the actuator.

### DIP Switches

#### DIP1: FAST/SLOW – Speed selection

- Speed of actuator travel: 3 (4) or 6 s/mm

#### DIP2: DIR/INV – Direct or inverse acting selector:

- Direction of the actuator movement based input signal:  
 - Opens on increase of input signal  
 - Closes on increase of input signal

#### DIP3: 2-10V/0-10V – Input/output

- Selection of available input signal range. Signal range selector sets input (Y) and output (X) signal.  
 - 0-10VDC / 0-20 mA  
 - 2-10VDC / 4-20 mA

#### DIP4: LIN/MDF – Characteristic modification function:

- Determines the characteristic of the actuator as either a linear or logarithmic (MDF selection). Under MDF the characteristic curve can be fine tuned by the setting of the potentiometer CM.

#### DIP5: 100%/95% – Stem travel limitation:

- Selectable full travel (100%) or limited to 95% stem travel.

#### DIP6: C/P – Output signal mode selector:

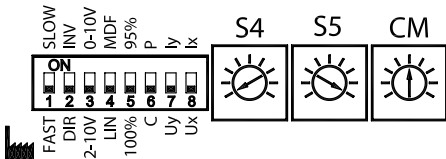
- Reaction of terminal 4 & 5 based upon input signal. Under selection C potentiometers S4 & S5 can be adjusted.  
 - C: activates with modulating signal  
 - P: activates with 3-point floating signal

#### DIP7: Uy/Iy – Input signal type selector:

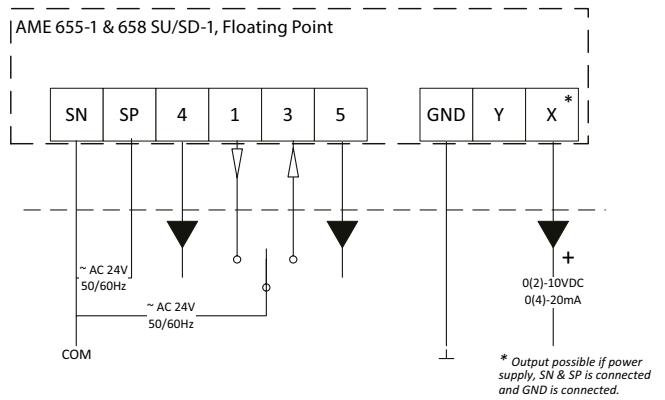
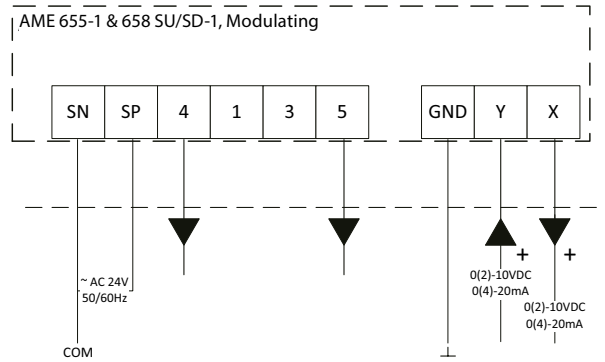
- Selection between voltage or current input signal

#### DIP8: Ux/Ix – Output signal type selector:

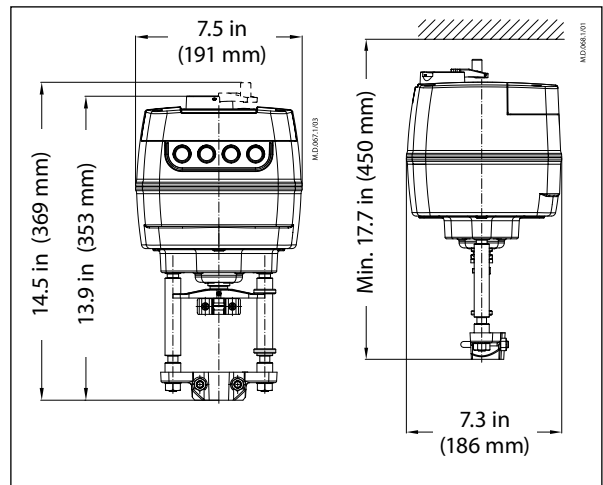
- Selection between voltage or current output signal



## Wiring



## Dimensions



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