

## Application

This valve is typically used in air handling units on heating or cooling coils, and fan coil unit heating or cooling coils. Some other common applications include Unit Ventilators, VAV box re-heat coils and bypass loops. This valve is suitable for use in a hydronic system with variable flow.

Suitable Actuators

|  | Non-Spring | Spring |
| :---: | :---: | :---: |
| B229 | LR, NR | LF |

## Dimensions (Inches [mm])



LRB, LRX

| A | B | C | D | E | F | H1 | H2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $9.4 "$ | $3.72 "$ | $7.25 "$ | $6.31 "$ | $1.3 "[33]$ | $1.18 "$ | $0.5 "[15]$ |  |
| $[239]$ | $[95]$ | $[184]$ | $[160]$ |  |  | $[30]$ |  |




| Technical Data |  |
| :---: | :---: |
| Power Supply | 24 VAC, $\pm 20 \%, 50 / 60 \mathrm{~Hz}, 24 \mathrm{VDC}, \pm 10 \%$ |
| Power Consumption Running | 2.5 W |
| Power Consumption Holding | 1.2 W |
| Transformer Sizing | 5 VA (class 2 power source) |
| Electrical Connection | 18 GA plenum rated cable with $1 / 2$ " conduit connector protected NEMA 2 (IP54) 3ft [1m] 10 ft [ 3 m ] and 16 ft [ 5 m ] |
| Overload Protection | electronic thoughout $0^{\circ}$ to $90^{\circ}$ rotation |
| Operating Range Y | 0 to $135 \Omega$ Honeywell Electronic Series 90,0 to $135 \Omega$ input |
| Input Impedance | $100 \mathrm{k} \Omega$ |
| Feedback Output U | 2 to 10 VDC, 0.5 mA max, VDC variable |
| Angle of Rotation | $90^{\circ}$ |
| Direction of Rotation (Motor) | reversible with built-in switch |
| Position Indication | integrated into handle |
| Manual Override | external push button |
| Running Time (Motor) | 150 sec |
| Ambient Temperature Range | $-22^{\circ} \mathrm{F}$ to $122^{\circ} \mathrm{F}\left[-30^{\circ} \mathrm{C}\right.$ to $\left.50^{\circ} \mathrm{C}\right]$ |
| Storage Temperature Range | $-40^{\circ} \mathrm{F}$ to $176{ }^{\circ} \mathrm{F}\left[-40^{\circ} \mathrm{C}\right.$ to $80^{\circ} \mathrm{C}$ ] |
| Housing | NEMA 2, IP42, UL Enclosure Type 2 |
| Agency Listings $\dagger$ | cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2004/108/EC |
| Noise Level (Motor) | $<35 \mathrm{~dB}$ (A) |
| Servicing | maintenance free |
| Quality Standard | ISO 9001 |

$\dagger$ Rated Impulse Voltage 800V, Type action 1.B , Control Pollution Degree 3.



Multiple Actuators with Minimum Position Potentiometer


Multiple Actuators Used with W973, W7100 and T775

