

## KD20 Series

### Description

The KD20 Series are direct-coupled non-spring return electric damper actuators, they are compact in size and are easily installed.

### Application

The KD20 Series are typically used in two-position zone applications or small dampers in HVAC systems that require relatively high rotation speed and low torque. They are designed for use with on/off or floating thermostats, controllers, or building automation systems.

### Features

- Compact in size
- Quick damper opening and closing
- Two LED indicates Green/Red for open/close position and troubleshooting
- Adjustable Cam. inside for CW direction
- Direct-coupled to square shaft
- Two mounting positions on both ends.
- Screw terminal block makes wiring quick

### Specification

**Power supply:** 12 VDC, 2VA

**Control Signal:** On/off or floating

**Angular Rotation:** 90°, adjustable for CW

**Torque and Motor Timing:**

3.5 in-lb (0.4 N.m), 4 to 8 seconds for 90°

**Mounting:**

Square shaft 0.22 inch (5.6 mm)

**Shaft length:** 1.5 inches Min.

**Connections:** Wire 14 to 22 AWG

**Dimensions:** 4.7x2.4x1.3 in (120 x 62 x 33 mm)

**Weight:** 0.33 lb. (0.15 kg)

**Enclosure:** Plastic nylon

**Noise Level:** < 35 dBA max. at 1 meter

**Environmental Limits:**

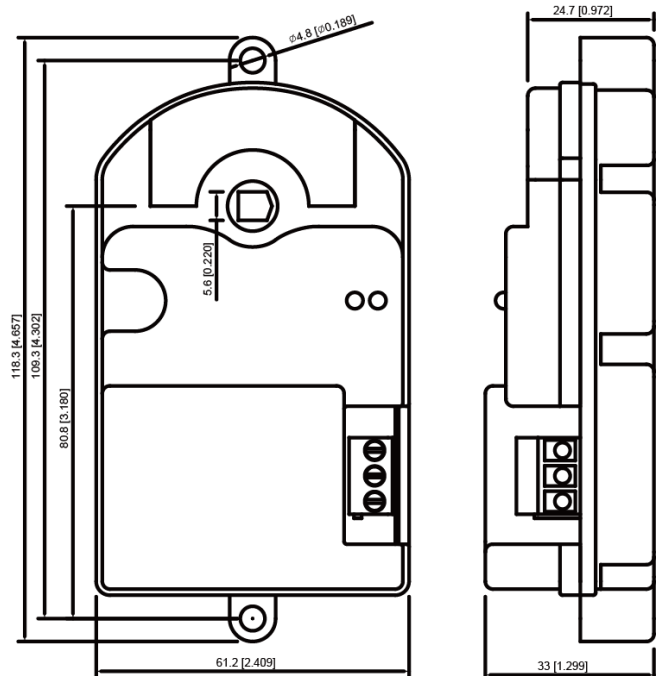
Operating -4 to 140°F (-20 to 60°C)

Shipping -22 to 176°F (-30 to 80°C)

Humidity 5 to 95% RH (non-condensing)



### Dimensions mm [inch]



### Order Notes: KD20-XX (floating control)

Model	T1	T2	T3
KD20-LO	COM	CCW-OPEN	CW-CLOSE
KD20-LC	COM	CCW-CLOSE	CW-OPEN
KD20-RO	COM	CW-OPEN	CCW-CLOSE
KD20-RC*	COM	CW-CLOSE	CCW-OPEN

Notes:\* KD20-RC is the default model with terminal block setting as above drawing