



Model EXD

Automatic Exhaust Volume Control Damper



Specification: Caddy Model EXD is ETL approved and tested to UL 710 Standard for Exhaust Hoods and Commercial Cooking Equipment. Damper framework to be fully welded to ensure a grease and liquid tight assembly. Damper components including framework, actuator shaft, actuator brackets, and stainless-steel hardware. This product is to be used in conjunction with a demand-based ventilation system. Damper requires 24 VDC to power the actuator and actively modulates based on a real time input of 0-10 VDC to the actuator from the demand-based ventilation system. At 0 VDC the damper will be closed. At 10 VDC the damper will be completely open. The range in between the minimum and maximum input will produce partial damper openings based on real time temperature and optical readings. The damper shall fully open upon loss of supply power. The damper actuator shall provide true spring return operation for a reliable fail-safe application. The spring return system shall provide consistent torque to the damper with, and without, power applied to the actuator. The actuator shall provide 95 degrees of rotation and is provided with a graduated position indicator showing 0 to 95 degrees. The actuator shall use a brushless DC motor which is controlled by an Application Specific Integrated Circuit (ASIC) and a microprocessor. The microprocessor shall provide the intelligence to the ASIC to provide a constant rotation rate and to know the actuator's exact fail-safe position. The actuator may be stalled anywhere in its normal rotation without the need of mechanical end switches.

Model Designation Instructions

Prefix of "EXD" followed by the product size in the following syntax – 12X18 where the first number, 12, indicates the width of the damper in inches, and the second number, 18, indicates the length of the damper in inches. Full model number would be "EXD-12X18" as an example. **Product sizes vary and are dictated by design airflow (CFM) at a maximum design velocity of 1800 FPM.**

Standard height is 10".

