SKD Valve Actuator

24 Vac, Floating (3 Position) Control
Spring Return or Non-Spring Return

Flowrite SKD Valve Actuator.

Description

Designed for use with Flowrite and other standard valves with a 3/4-inch (20 mm) stroke, the Flowrite SKD Electronic Valve Actuator requires 24 Vac supply to provide floating control of a valve.

Features

- Direct-coupled installation requires no special tools or adjustments
- Visual and electronic stroke indication
- Die-cast aluminum housing
- 250 lb. (1150 N) nominal force
- Integral position feedback
- Manual override
- Spring return available for fail-safe position
- Maintenance-free

Applications

The Flowrite SKD Electronic Valve Actuator with 24 Vac, floating control is designed to be used with Flowrite and other standard valves in liquid and steam service applications.

SKD Actuator Specifications

Operating Voltage ..... 24 Vac ±20%

Frequency ..... 50/60 Hz

Power Consumption
- SKD82.50U ..... 13 VA (8 W)
- SKD82.51U ..... 18 VA (11 W)
- Control Signal ..... 3 Position (Floating)

Function
- Nominal Stroke ..... 3/4" (20 mm)
- Run Time with Control Operation (Full Stroke)
  - Power Stroke, 0 to 100% @ 60 Hz ..... 120 sec.
  - Return Stroke, 100 to 0% @ 60 Hz ..... 120 sec.
  - Spring Return (SKD 82.51U Only) ..... 8 sec.
- Nominal Force
  - NC and 3-way Upper
    - Stroke 0%
    - Force ..... 225 lbs. (1000 N)
  - NO and 3-way By Pass
    - Stroke 100%
    - Force ..... 258 lbs. (1150 N)

Agency Approvals ..... UL873, CSA C22.2 No. 24-93

Operating
- Ambient Temperature ..... 5 to 130°F (-15 to 55°C)
- Media Temperature ..... 14 to 300°F (-10 to 150°C)

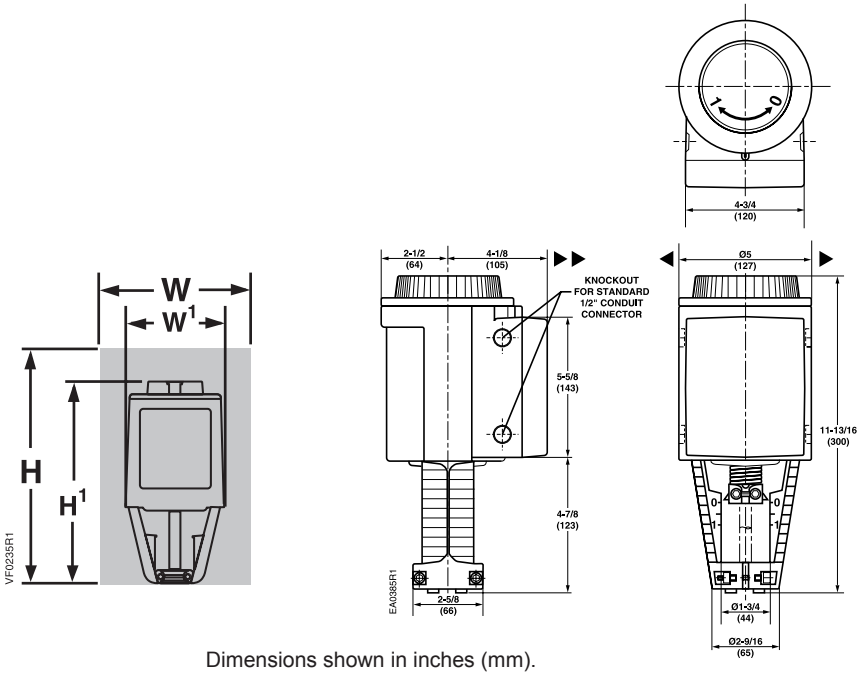
Conduit Opening ..... 1/2" NPSM

Mounting Location ..... NEMA 1 (Interior Only)

SKD Actuator Product Ordering

Description	Part No.	Actuator Prefix Code
Spring Return	**SKD82.51U**	**276**
Non-Spring Return	**SKD82.50U**	**275**

Dimensions



Dimensions shown in inches (mm).

Height of Actuator H1	Service Height H	Width/Diameter of Actuator W1	Service Width W
11-13/16" (300 mm)	19-3/4" (430 mm)	6-5/8" (170 mm) Width	14-1/2" (360 mm)

Table Note:
Service height and width are the recommended dimensions to allow access to the product.