

Benefits

- Ideal for smart buildings; integrates with building and home automation systems.
- Certified for Smoke & Heat Extraction (SHE).

Applications

Awning windows, casement windows, hopper windows, curtain wall vents, and skylights.

KCDL Actuator Features

- KCDL actuators are medium to heavy duty operators, with compact casing and low noise operation.
- Push/Pull force: Up to 600N (135 ft-lb)
- Adjustable self-sealing relief
- Actuator has stainless steel chain for rigidity and durability; Chain is off-center in casing.
- Opening width: Up to 1000mm
- Available in Silver color (RAL colors available upon request)
- 10ft (3.1m) connection cable can be connected on either side
- Tested to 10,000 cycles

KCDL Series

Part #	Color	Stroke	Force (Push/Pull)
KCDL/400	Silver Grey	Up to 400mm	600N/600N
KCDL/600	Silver Grey	Up to 600mm	600N/600N
KCDL/800	Silver Grey	Up to 800mm	600N/600N
KCDL/1000	Silver Grey	Up to 1000mm	600N/600N

Connection Modules

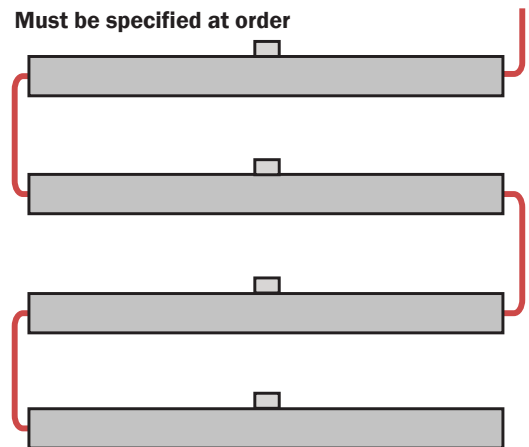
Description

- ModBus Control Module
- Status Feedback Module (RWA)
- 24VDC Module



Tandem Capability

Must be specified at order



Specifications

Supply voltage	24VDC (-15% / +50%)
Nom. Current draw	Approx 0.9A at 600N load
Limit stop	(Open): Built in limit switch (Closed) Integrated electronic power cut-off
Chain stroke (approx)	21 to 400mm ($1\frac{3}{16}$ " to $15\frac{3}{4}$ "), adjustable 21 to 600mm ($1\frac{3}{16}$ " to $23\frac{5}{8}$ "), adjustable 21 to 800mm ($1\frac{3}{16}$ " to $31\frac{1}{2}$ "), adjustable 21 to 1000mm ($1\frac{3}{16}$ " to $39\frac{3}{8}$ "), adjustable
Chain adjustment	Automatic adjustment
Push/Pull force (Max)	600N (135 ft-lb +/- 3%), adjustable
Clamping force (Max)	3000N (674 ft-lb +/- 3%) force needed to rip chain out of actuator case
Chain speed	5mm/sec
Dimensions	400mm stroke = 588 x 70 x 40mm ($23\frac{1}{8}$ " x $2\frac{3}{4}$ " x $1\frac{5}{8}$ ") 600mm stroke = 658 x 70 x 40mm (26" x $2\frac{3}{4}$ " x $1\frac{5}{8}$ ") 800mm stroke = 728 x 70 x 40mm ($28\frac{5}{8}$ " x $2\frac{3}{4}$ " x $1\frac{5}{8}$ ") 1000mm stroke = 798 x 70 x 40mm ($31\frac{3}{8}$ " x $2\frac{3}{4}$ " x $1\frac{5}{8}$ ")
Power cable	10ft (3.1m) cable
Run/Rest cycle	For every 60 sec running (on), must then rest (off) for 120 sec
Ambient Oper Temp	-10 °C to +60 °C (14 °F to 140 °F)
Listing	UL Recognized
Protection class	IP20
Case	Aluminum
Opening mechanism	Stainless steel chain, chain is off-centered in case



Interconnectors fit within actuator end cap. Can be plugged into either side of the actuator.

Discuss with AFI Sales & Support for your specific project/profile.

Mounting Bracket Options

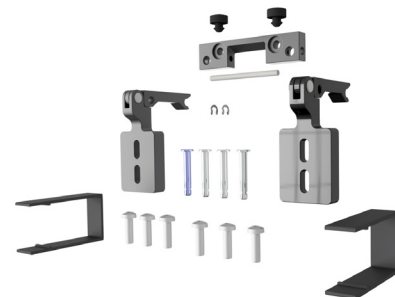
Must be specified at order



BF/00/SW



BF/10/SW



BS/10/SW