MOTOR OPERATORS & CONTROLS

All Cookson motor operators are listed and available with various gear reducers to fit every application.

Gearhead Operators

Bronze cut worm gears in oil bath enclosed in a cast iron enclosure, the gearhead operators are used in industrial or frequent usage applications, more than 15 cycles per day. The standard mounting for these operators is vertically in front of hood, but they may also be mounted horizontally in front of hood. Gearhead Operators can be used on all doors and grilles.

For small doors and grilles to be cycled 15 times or less each day, use ½ H.P. limited duty motor operator. For larger and more frequently cycled doors use ½ H.P. to 3 H.P heavy duty motor operator.

Belt Drive Operators

A gear reducer of roller chains and sprockets, these operators are designed for commercial use. The standard mounting for belt drive operators is vertically in front of hood.

For smaller doors and grilles to be cycled no more than 10 times per day, use ½H.P. 115 volt limited duty motor operator. For doors and grilles that will cycle up to 25 times per day, use ⅓ H.P. to 1 H.P. heavy duty motor operator.

Control Equipment

All Cookson Gearhead and Belt Drive operators are furnished with factory prewired controls in NEMA 1 enclosures, complete with over current protection, and a NEMA 1 push button station marked “Open-Close-Stop”. Most of the operators also include an emergency chain operator. Optional Controls and other NEMA enclosures are available for all Gearhead and Belt Drive Operators.

Midget Operators

Cookson has developed a miniature ⅙ H.P. Gearhead Operator for all Counter Doors including Counter Fire Doors, FDI0, SDI0 and FD10ST models. Its compact design provides the convenience of motor operation without the bulk of a traditional motor operator.

Electrical Enclosures
All Cookson operators and electrical devices are furnished in NEMA 1 general purpose enclosures. Other enclosures are available for special and unique applications.

NEMA 4
Waterproof
For exterior or wet installations

NEMA 4X
Corrosive Resistant Waterproof
For wet corrosive environments

NEMA 12
Dust and Oil Tight
For heavy or dirty industrial applications

NEMA 7 / NEMA 9
Explosion Proof
For explosive environments

Electrical Controls
Cookson operators are furnished with a standard three-button control station, open - close - stop. Many other control devices are also available.

3 Button Push Button with Key Lockout
Provides the convenience of a push button with the security of a key station.

Key Switch
Requires a key to operate the door

Pull Cord Switch
Allows operation of the door from a forklift.

Radio Controls
Allows remote operation of a door.

Motor Starters
Cookson operators are furnished with a standard motor starter as part of the motor operator. Remote and combination starters (motor starters with built-in disconnect switches) are available in various NEMA enclosures.

Automatic Controls
Cookson operators can be equipped with automatic controls for ease of operation and high cycle applications.

Loop Detectors
Automatically activates door by automobile or other vehicle. Can be used to open, close, reverse or hold open a door.

Photocells
Broken Beam of light activates, reverses or holds a door open.

Motion Detectors
Detects motion in a specified area and activates, reverses or holds door open.

Cardkey Station
Open door by use of card key.

Timed Controls
Used to automatically close doors after a period of time.

Special Applications
The Cookson Company has engineering capabilities to design an electrical system for any application. For information on specific applications, contact the local Cookson Distributor.