



# smart JACK

# Smart, Durable and Reliable Fully Adjustable to Your Specialty Application

## smart JACK



- Soft-Start, Soft-Stop
- Door Collision Detection
- High Speed Door Operation
- Password Accessible
- Auto Close Timer
- Easy Flexible Programming For Any Door Application.
- Choice of Primary Power- 120/230VAC (1Ø) or 230/460 VAC (3Ø)
- Durable and Reliable TEFC Motor
- Sealed Worm Gear Box- (Hazardous Location Rated)

The smartJACK Electric VFD Operator is an excellent choice for just about any high-use and/or wet applications that requires the extra durability, reliability and operational adaptability that other operators in the market just don't offer.

Using a unique combination of the most modern programmable logic control (PLC), high-quality motor and modern gearbox technologies, the smartJACK has all the features you need in a specialty commercial electric door operator.

Fully-adjustable to meet just about any set of operational requirements, smartJACK operators control the door with a soft-start, soft-stop and allows for complete field adjustment of the acceleration/deceleration speeds, ranges and starting points. Speeds and positioning outside of the soft-start/soft/stop feature are also completely adjustable.

The smartJACK monitors the door position and speed allowing the system to know exactly where the door is in relation to where it was originally programmed. This monitoring is not only used in smartJACK's ability to be fine-tuned for travel and speed. It is also used in smartJACK's built-in safety mechanism that helps in detecting obstructions, door damage or poor door operation.

The smartJACK door controller is designed and programmed for quick, easy setup and has been developed with optimum safety and ease-of-use in mind.

Its' design and flexible programming offers a number of control options including; control stations, radio control, remote operation, photoeyes/light curtains, motion detectors, loops, timers and all other safety or entry control devices. It is very simple to upgrade and integrate with other equipment or control systems as necessary.

The PLC is pre-programmed and ready to operate; just input a few entries in the control panel during the final setup to customize the door speed and travel for your specific operational needs.

The smartJACK operates by use of a Programmable Logic Controller with an HMI Display.



### Control Box

- NEMA 4X Enclosure
- Auto/hand switch & disconnect handle mounted on cover
- Integrated encoder for position monitoring
- Home sensor detects full closed position
- Variable frequency drive controls motor speeds & direction while reducing start-up electrical demand
- Optional- Open, close & stop buttons mounted on cover (shown)

Manufactured By

American<sup>TM</sup>  
garage door supply inc.

1-800-233-1487  
Bemidji, MN.  
carwashdoors.com