



AUTOMATIC DOOR OPERATORS - RESIDENTIAL
SECTION 08 71 13

PART 1

RESIDENTIAL WALL MOUNT GARAGE DOOR OPERATOR
THE GENIE COMPANY MODELS 6070H & 6170H-B

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Residential Garage Door Operators.
 - 1. Jackshaft garage door operators (Genie Models 6070H & 6170H-B).

1.2 RELATED SECTIONS

- A. Section 06 10 00 – Rough Carpentry: Installation and requirements for blocking and nailers.
- B. Section 26 05 00 – Common Work Results for Electrical.

1.3 REFERENCES

- A. Underwriters Laboratories (UL) – UL 325 Listed Products. Safety Standard for Door, Drapery, Gate, Louver, and Window Operators/Systems.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01 30 00.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
 - 4. Cleaning methods.
- C. Shop Drawings: Submit shop drawings showing layout, profiles, and product components, including anchorage, edge conditions, and accessories.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging with labels intact until ready for installation.
- B. Schedule delivery of garage door operator so that spaces are sufficiently complete that door operators can be installed immediately upon delivery.
- C. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.6 WARRANTY

- A. Manufacturer's limited fifteen-year motor warranty. Five-year limited warranty on parts. One-year limited warranty on accessories (see warranty provided with owner's manual).



AUTOMATIC DOOR OPERATORS - RESIDENTIAL
SECTION 08 71 13

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: The Genie Company (Genie), which is located at: P. O. Box 67 One Door Drive; Mt. Hope, OH 44660; Toll Free Tel: (800) 843-4084; Fax: (800) 221-0132; Email: [request info \(genie_company@geniecompany.com\)](mailto:request_info(genie_company@geniecompany.com)); Web: www.geniecompany.com
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 – Product Requirements.

2.2 JACKSHAFT GARAGE DOOR OPERATOR

- A. Jackshaft Garage Door Operator: Genie Models 6070H & 6170H-B. For residential sectional standard lift, high lift, and vertical lift doors. Capable of operating doors up to 850 pounds (386 Kg) balanced within +/- 10% for full travel.
 - 1. Motor:
 - a. Voltage: 24V DC.
 - b. Thermal Protection: Automatic.
 - c. Lubrication: Permanent.
 - 2. Drive Mechanism:
 - a. Drive Means: Internal chain and sprocket
 - b. Reduction Means: Worm gear 69:1.
 - 3. Operating Temperature: -40°F (-40°C) to 150°F (66°C).
 - 4. Logic Type:
 - a. Electronic solid-state microprocessor with built-in surge suppressor.
 - 5. Dimensions:
 - a. Garage Door Operator Dimensions: 8.80 inches D x 14.55 inches H x 6.86 inches W (224 mm D x 370 mm H x 174 mm W).
 - b. Maximum Door Size: 14 feet (4267 mm) tall. Total of 180 square feet (16.7 square meters).
 - c. Head Room Clearance Required: 2.18 inches (55 mm) from center of torsion bar.
 - d. End Torsion Shaft to Side Wall Clearance Required: 7 inches (178 mm).
 - 6. Material:
 - a. Enclosure: Metal.
 - b. Cover: Plastic.
 - 7. Shipping Weight: 31.5 pounds (14.3 Kg).
 - 8. Adjustments:
 - a. Internal slack cable detection set automatically after first two cycles of unobstructed travel.
 - b. Door force up and down detection set automatically after first two cycles of unobstructed travel.
 - c. Internal electronic limit settings retained after power cycle of operator and after use of manual release mechanism.
 - 9. Travel Rate:
 - a. 7.5 (191mm) inches per second (approximately dependent on door configuration and settings).
 - 10. Electrical:
 - a. Voltage: 120V AC, 60Hz.
 - b. Wattage: 480W.



AUTOMATIC DOOR OPERATORS - RESIDENTIAL
SECTION 08 71 13

- c. Current: 4A.
 - d. Interlock input capable of suspending operation of motor.
 - e. UL Listed.
 - f. Length of 3-Prong line cord: 6 feet (1829mm).
11. Wireless Wall Control Station:
- a. Frequency: Dual 315/390 MHz.
 - b. Encryption: Intellicode® format.
 - c. Batteries: Two common AAA batteries.
 - d. Notification of low battery condition.
 - e. Work light on/off button.
 - f. Delayed door close button for 10, 20, or 30 seconds.
 - g. Wired wall station not required to be connected to opener in order for wireless wall console operation.
12. Intellicode® Radio Controls:
- a. Receiver support for 64 total remote controls, wireless wall consoles, and wireless keypads.
 - b. Genie Model G3T three button remote.
 - c. Frequency: Dual 315/390 MHz FCC compliant.
 - d. Operating Range: Open range 500 feet (152m).
 - e. Full HomeLink® and Car2U® compatibility without use of external device.
13. Integrated Aladdin Connect® Wi-Fi Receiver (Standard on Model 6170H-B):
- a. Operator shall support a Wi-Fi connection without additional equipment being required.
 - b. Smart Device Application: Application for operator remote operation and status functionality must be supported through a free smart device application.
 - c. Support for up to 20 user accounts.
14. Bluetooth® LED Light Fixture:
- a. Remote lighting can be located anywhere in the garage.
 - b. Voltage: 120V AC, 60Hz.
 - c. Wattage: 30W.
 - d. Current: 0.25A.
 - e. Auto-pairs to opener upon power-up.
 - f. Minimum of 1200 Lumens.
 - g. Automatic shut off 4 minutes after door operation.
15. Safety and Convenience:
- a. Internal detection of slack cable detection shall prevent door operation due to abnormal cable tension conditions.
 - b. Self-Diagnostic Safe-T-Beam® system: Operator shall include automatic safety reverse (on close) and self-monitoring infrared safety devices.
 - c. Manual Release Handle as standard equipment for manual door operation.
 - d. Battery Backup (included standard on Model 6170H-B).
 - e. Remote Wi-Fi operation audible and visual alert. LED Light Fixture must be installed and paired with operator for remote Wi-Fi operation (included standard on Model 6170H-B).
 - f. Remote work light operation from wall console.
 - g. Opening door force safety stop.
 - h. Closing door force safety reverse.
 - i. Soft start and stop motor control.
16. Optional Accessories:
- a. Alternate Sprocket Mounting Kit: Genie Model AMK-P for applications with obstructions preventing direct coupling to door shaft.
 - b. Wireless Keyless Entry Keypad.



AUTOMATIC DOOR OPERATORS - RESIDENTIAL
SECTION 08 71 13

- c. Additional Intellicode® Remote Controls.
- d. Wired Wall Console.
- e. Additional Wireless Wall Consoles.
- f. Wi-Fi Aladdin Connect® Upgrade Kit: Model GWFK-P (for Model 6070H).
- g. Battery Backup Kit: Model GBWM-P (for Model 6070H).

PART 3 EXECUTION

3.1 EXAMINATION AND PREPARATION

- A. Inspect and prepare substrates using the methods recommended by the manufacturer for achieving best result for the substrates under project conditions.
- B. Do not proceed with installation until substrates have been prepared using the methods recommended by the manufacturer and deviations from manufacturer's recommended tolerances are corrected. Commencement of installation constitutes acceptance of conditions.
- C. If preparation is the responsibility of another installer, notify Architect in writing of deviations from manufacturer's recommended installation tolerances and conditions

3.2 INSTALLATION

- A. Install in accordance with manufacturer's instructions and in proper relationship with adjacent construction. Test for proper operation and adjust until satisfactory results are obtained.

3.3 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION