

1. PRODUCT NAME
 WINDOW EASE™

2. MANUFACTURER

A-Solution, Inc.
 1332 Lobo Pl. NE
 Albuquerque, NM 87106
 Phone: (505)256-0115
 FAX: (505)256-3756
 Website <www.windowease.com>

3. PRODUCT DESCRIPTION

Basic Use: WINDOW EASE™ enables many of compromised physical ability the means to independently open, close, and latch their windows. Physically challenged individuals, whether young or old, gain access to their windows for fresh air, life safety and independent living. Compliance to all Accessibility Codes is guaranteed.

WINDOW EASE™ is assistive technology at it's finest - attractive, simple, and it works great. A new or existing window normally requiring 35 pounds of force (lbf) to operate will, with WINDOW EASE™, need only 3.5lbf to fully operate. An easy to manage crank provides the 10:1 mechanical advantage.

Perfectly functional WINDOW EASE™, preserves the integrity of an exterior design. The same window types can be used throughout a project. WINDOW EASE™ easily modifies those locations desired to be accessible.

Inside, the WINDOW EASE™ Window Actuator looks like part of the window and meets or exceeds the CABO/ANSI A117.1 technical standards for accessible operable windows as required by all model building codes and federal accessibility laws.

Composition and Materials: WINDOW EASE™ is designed to be long lasting and maintenance free. Constructed of corrosion re-

sistant long life materials with self-lubricating moving parts. All components must pass a rigorous 30,000 duty cycle test before being considered for use in WINDOW EASE™. Hard wearing powder coat material is the standard finish of the heavy .062" 6063-T5 aluminum covers.

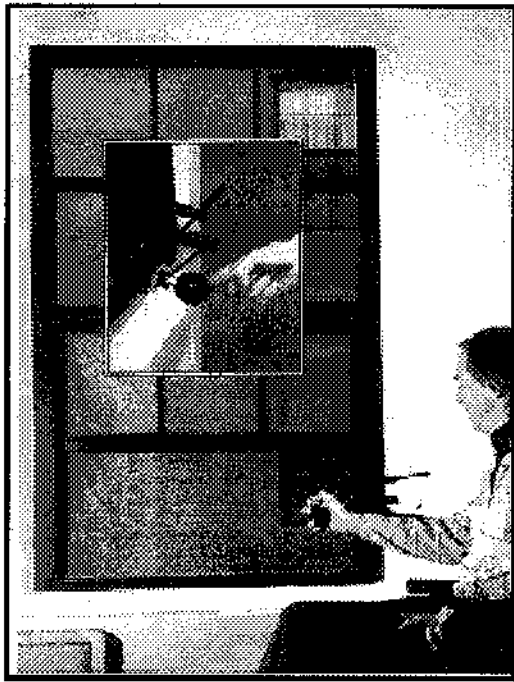
Colors: WINDOW EASE™ is available in two standard colors - white or bronze. Additional colors can be purchased for a slight premium.

Limitations: WINDOW EASE™ modifies virtually any vertical hung or horizontal sliding window. It is not designed to be used with awning or casement type windows. Minimum size of xx30 for hung windows and 30xx for sliders. Window actuator is not designed to fix broken or inoperable windows. Windows to be modified must be in good working order. The standard WINDOW EASE™ model accommodates windows with operating forces up to 35lbf. The heavy duty WINDOW EASE™ model accommodates windows with required operating forces up to 55lbf.

WINDOW EASE™ window actuator requires that windows have:

1. Clear areas on moveable sash for actuator attachment.
2. The upper sash immobilized (fixed) if double-hung.
3. A minimum jamb depth of 2 3/8" to fully recess actuator covers.

Optional accessories are available to adapt WINDOW EASE™ to non-standard conditions such as oversized windows, ganged windows, jambs or sills over 5 1/2", jambs less than 2 3/8", win-



dows which adjoin obstructions such as kitchen cabinets, and other conditions.

Certain manufactured windows and/or site conditions will not accommodate a WINDOW EASE™ window actuator.

4. TECHNICAL DATA

Applicable Standards:

- 1998 ANSI A117.1- Sections 306, 506 and 1002.13 and, 1992 A117.1 Sections 4.12 and 4.25, which summarily state; "required operable windows ... in accessible spaces ... shall be operable with one hand and shall not require tight grasping, pinching or twisting of the wrist. The maximum force of operation shall be 5 lb.(22.2 N). Operable parts ... to be within 48" of floor" (and other reach/location requirements). NOTE: Window location influences actuator controls' location.
- BOCA, UBC and SBC all specify that when operable windows are provided in an accessible space, no less than

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one window in each space and room shall be accessible and that windows required to be operable for ventilation or for emergency escape or rescue, shall be accessible.

- *Life Safety Code NFPA 101, 1991.* Provide "without special knowledge of operation" alternate means of egress, access to air, ventilation of smoke and toxic gases, and means to communicate for help.
- *ADAAG and UFAS, Section 4.27 Controls and Operating Mechanisms.*
- *UFAS, Retrofit Manual, Section 4.12, pg. 98-101*
- *AAMA/ANSI 101-93, Voluntary Specifications for Windows and Sliding Doors*

Features:

- ◇ Actuator does not require routine maintenance and is essentially self adjusting and maintenance free.
- ◇ All control functions are in one location.
- ◇ Latching feature allows infinite number of latched window positions from fully open to fully closed allowing ventilation with added security.
- ◇ Internal balance mechanism ensures a tight weather gasket closure.
- ◇ Synchronous two sided pull for jam resistant operation.
- ◇ Power disengagement clutch prevents damage to window or actuator due to excessive operational force.
- ◇ Safety feature limits maximum force of closing window edge to protect children's hands or other objects that

might be between closing window edge and sill.

- ◇ Full NFPA window opening or closing in ten crank revolutions or less. Actuator does not inhibit inherent operating range of window.
- ◇ Controls location, as well as, "free wheeling" emergency egress feature ensure compliance with Life Safety Code NFPA 101.

Finishes: Electrostatically applied baked flexible acrylic. Meets AAMA Publication No.603.8 voluntary performance tests for:

- Color uniformity
- Impact resistance
- Chemical and detergent resistance

5. Installation

WINDOW EASE™ window actuator comes in a kit ready to install by those experienced installing devices of this type. Components, which interface with window and surrounds, are provided in kit form according to actual field conditions of installed window. Field conditions are provided on forms supplied by manufacturer. WINDOW EASE™ is installed in seven easy steps:

- a) Attach chassis, carrier, and sash brackets to jambs.
- b) Join drive and idler sash assemblies.
- c) Mount drive and idler chassis.
- d) Mount power transfer assembly.
- e) Install drive belt
- f) Adjust actuator
- g) Snap on covers and attach control handles.

6. Availability and Cost

WINDOW EASE™ window actuators are available nationwide from window dealers and representatives or directly from the manufacturer. Product pricing may be obtained from any of the above locations. Additional product information may also be obtained upon request.

7. Warranty

Warranty covering system installation and all components required to actuate windows are provided by qualified installers and/or contractors. In event of failure, warranty shall provide for replacement parts, removal, installation, and repair.

8. Maintenance

WINDOW EASE™ is designed and manufactured to be maintenance free. All moving parts are self-lubricating and mechanics of system are self-adjusting.

9. Technical Services

Experienced WINDOW EASE™ technical support is available for design or installation information by contacting main office between 8:30AM and 5:00PM MST.

10. Filing System

SPEC-DATA II
CSI DIVISION 08765