Modernfold Presto ® Automation Package

For Acousti-Seal Encore Automated Wall System

10 22 26 (10650)

Operable Partitions

SPECIFICATION – SECTION 10 22 26 OPERABLE PARTITIONS

PART 1 – GENERAL

**1.1 RELATED DOCUMENTS**

A. Drawings and general provisions of the Contract including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

**1.2 SUMMARY**

A. This Section includes the following:

1. Integrated Touch Pad Operator Control Station, Wireless Safety Leading Edge, Safety Mats, and PIR/Microwave Detection Device.

B. Related Sections include the following:

1. Division 26 Sections for electrical wiring.

**1.3 QUALITY ASSURANCE**

A. Installer Qualifications: Installer must be certified by the automated wall manufacturer as qualified to install the manufacturer’s partition and control systems or work similar in material, design, and extent to that indicated for this Project.

B. Preparation of the opening shall conform to the criteria set forth per ASTM E557 *Standard Guide for the Installation of Operable Partitions*.

C. The safety system must be manufactured by a certified ISO-9001-2008 company or an equivalent quality control system.

**1.4 SUBMITTALS**

A. Product Data: Material descriptions, construction details, and installation details for the operator control station, components, and accessory specified.

B. Shop Drawings: Show location and extent of the operator control station. Include plans, elevations, details, and wiring diagrams. Indicate dimensions, conditions at openings, and at storage areas. Indicate location and installation requirements for operator control station and integrated components.

**1.5 DELIVERY, STORAGE, AND HANDLING**

A. Protect operator control station during delivery, storage, and handling to comply with manufacturer’s direction and as required to prevent damage.

**1.6 WARRANTY**

A. Provide written warranty by manufacturer of operator control station and components agreeing to repair or replace any components with manufacturing defects.

B. Warranty period: Three (3) years.

PART 2 – PRODUCTS

**2.1 MANUFACTURERS, PRODUCTS, AND OPERATION**

A. Manufacturers: Subject to compliance with requirements, provide product by the following:

1. Modernfold Presto ® Automation Package with Touch Screen Operator Control Station by Modernfold, Inc.

**2.2 MATERIALS**

A. Components

1. Integrated Touch Screen Operator Control Station (OCS) located at one end of the partition. Programmable OCS shall be activated by Touch Screen and shall control all integrated safety system components including Motor Unit, Wireless Safety nose, PIR obstruction detection, and stack area Safety Mats. OCS shall be internet and or USB update capable. Non-programmable key stations are not acceptable.

2. Wireless Safety Nose – High sensitivity pressure leading edge requiring no more than 2.2 lb. of pressure to stop partition movement in case of obstruction. Lead sensors requiring hard wiring through partition system or requiring more than 2.2 lb. of pressure for activation are not acceptable. Sensing edge to be housed in fluid resistant housing and set in snap in channel for easy maintenance and be provided with 4-lead fail-safe wiring.

3. Safety Mats – Located at panel storage area. Personnel sensing switch mat shall activate with the presence of a minimum 22 lb. obstruction in the stack area and prevent panels from stacking until the personnel/obstruction is removed. Mats shall be provided with 4-lead fail-safe wiring.

4. PIR/Microwave Detector – Wall or ceiling mounted motion sensors covering the travel area of the automated partition shall automatically stop the movement of the panels in the presence of unauthorized movement or obstruction. Detector can detect motion in an area up to 300 ft. (91M) long by 7.5 ft. (2.3M) wide and 10 ft. (3M) high, and be equipped with anti-masking protection.

PART 3 – EXECUTION

**3.1 INSTALLATION**

A. General: Comply with ASTM E557, operable partition manufacturer’s written installation instructions and approved shop drawings.

B. Install Modernfold operator control station and all listed components on site for custom assembly which meets site conditions.

C. The complete installation of the Modernfold Presto Package shall be by a certified factory-trained installer in strict accordance with the approved shop drawings and manufacturer’s standard printed specifications, instructions, and recommendations.

**3.2 CLEANING AND PROTECTION**

A. Clean component surfaces upon completing installation of truss system to remove dust, dirt, and other foreign materials per manufacturer’s written instructions.

**3.3 EXAMINATION**

A. Examine surrounding conditions and opening, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of operator control station and all components. Proceed with installation of automated wall, control station, and components only after unsatisfactory conditions have been corrected.

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