

OCS Smart - Main Features and Benefits: Electronic Bluetooth and Touch technology keypad enabled locker lock; with touchless operation; easy and quick cable free installation or retrofit; wipe clean crevice free hygienic keypad. Smart user and Maintenance App enabled, Hi tech slimline design.

Key Manager benefits:

- *Program or update locks individually or by batch*
- *Assign digital master keys remotely to authorized Managers*
- *Audit report on lock activity and status*
- *Convenient Realtime lock battery status notification*
- *Locks can be programmed in Public or Private mode*
- *Can set locks to be User operated by mobile device or keypad*
- *No need for additional electronic keys to manage locks*

Key User benefits:

- *Never forget locker number - stored on User mobile device when locker selected*
- *Never need or forget code - Mobile device paired with lock will open lock and stores digital code if required.*
- *Hygienic crevice free keypad*

SECTION 105111

INTELLIGENT LOCKING SYSTEMS - OCS SMART

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.

1.2 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
1. Electronic, bluetooth and touch technology keypad enabled locker lock. (OCS SMART)
- B. Related Work: The following items are not included in this Section and are specified under the designated Sections:
1. Section 105100 - Lockers for coordination with shop-installed locks.

1.3 REFERENCED STANDARDS

- A. Comply with the LGA Quality Guidelines (European Standard) as applicable to the project:
1. IP55 - Enclosure-Ingress Protection.
 2. IK07 and IK09 - Code and Impact Energy (internal and external lock body).

1.4 SUBMITTALS

- A. Product Data: Submit manufacturer's product data, installation recommendations, and user manuals.

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- B. Shop Drawings: Submit project-specific details of construction. Use the same room identification numbers as indicated on the Drawings.
 - 1. For shop-installed locks, coordinate with locker manufacturer, in sufficient time as to not delay job progress.
 - 2. For software system, includes types of keys, portable programmer, management software.
- C. Demonstration and Training: Submit proposed type and duration of on-site training for owner's personnel.
- D. Warranties: Provide manufacturer's standard limited warranty against defects in manufacturing.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in the manufacturing of the products specified in this section, with at least three years of documented experience and achieving and maintaining: ISO 9001 Quality standards and ISO 14001 environmental standards.
- B. Source Limitations: Obtain each type of lock from a single manufacturer.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Delivery and Handling: Comply with manufacturer's recommendations for delivery, storage and handling of locking systems.

PART 2 - PRODUCTS

2.1 ELECTRONIC, BLUETOOTH AND TOUCH TECHNOLOGY KEYPAD ENABLED LOCKER LOCK

- A. Electronic Bluetooth and Touch Technology Keypad Enabled Locker Lock: OCS Smart by ojmar, 17155 Von Karman Avenue, Suite 111, Irvine, CA 92614. Phone 949-419-6776. Contact sales@ojmar.us. Website www.ojmar.us.
 - 1. Authentication Method: Bluetooth or keypad.
 - 2. Reading Distance: Up to 36 inches (1m) (between phone and lock).
 - 3. Power Supply: VARTA Type AA alkaline batteries, battery override feature.
 - 4. Battery Life: Up to 5 years at room temperature.
 - 5. Battery Override: External power contact points for emergency opening with master code.
 - 6. Dimensions: Front keypad dimensions (with pull) 4-3/4 x 2-7/16 x 5/16 inches (119mm x 62mm x 8mm), (without pull) 4-3/8 x 2-7/16 x 5/16 inches (110mm x 62mm x 8mm).
 - 7. Weight: 1 pound (453 g) (E-17.5 long screws).
 - 8. Lock Strength: 102 kgf (1000 N).
 - 9. Temperature Range: From 14 degrees F (- 10 deg C) to 108 degrees F (42 deg C).
 - 10. Humidity: Less than 97 percent (non-condensing).
 - 11. Protection: Protection against particles and liquids - IP55; protection against mechanical impact - IK09.
 - 12. Door Thickness: Less than 1.1 inches (28 mm).
 - 13. Handle: Integrated unless non-handle option selected.
 - 14. Handing: Non handed, suitable for right hand and left hand doors.
 - 15. Accessories: Maintenance app, emergency opening key and locker spring latch.

16. Door Material: Suitable for laminate, glass, metal, HPL laminate, and melamine door facing.
17. Finish: Silver RAL 9006.
18. Finish: Graphite Pantone 8405.
19. Finish: White AP-2101 DAYSALUX 554.
20. Finish: As selected by Designer from manufacturer's standard colors.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates for compliance with requirements for installation tolerances. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install locks in accordance with manufacturer's instructions, approved submittals and in proper relationship with adjacent construction.
 1. Verify position of lock to locker body to ensure latching mechanism works properly.
 2. Test each unit for proper operation and adjust until satisfactory results are achieved.
- B. Where applicable, set up software.

3.4 DEMONSTRATION AND TRAINING

- A. Review maintenance and operations manuals with Owner's personnel. Demonstrate operation and options.

3.5 CLEANING AND PROTECTION

- A. Clean adjacent surfaces after installation. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION