

Smart Key Manager (SKM)

Key Management / Data Insight Solution



The Smart Key Manager (SKM) aligns data insight and analytics with operational safety systems to help maximise the efficiencies of equipment maintenance and operations while ensuring only authorised personnel can access and operate specific procedures.

The system is suitable for industrial operations in which managing key permissions and tracking key movement is essential to safe and efficient operations. The SKM can be implemented as part of a new interlock safety solution or incorporated into existing safety procedures.

The SKM is modular in design which allows for additional key panels to be added to the central unit as your process needs change and additional key management is required.

A single central unit can have up to 8 key panels, each panel containing 16 key modules.

The SKMs customisable programming allows ease of use for real-time personnel changes and process updates. Defined requirements and permissions can be customised to meet the specific needs of user's operations procedures and data insights required to make timely decisions.

OPERATIONS

The Smart Key Manager is a key management system suitable for process operations in which permission controls are essential to maintaining safe and secure operations.

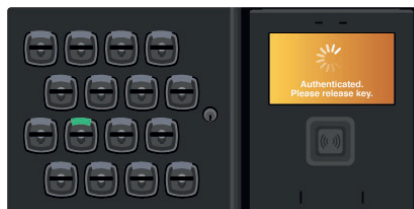
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After the configuration of the user requirement's has been completed:

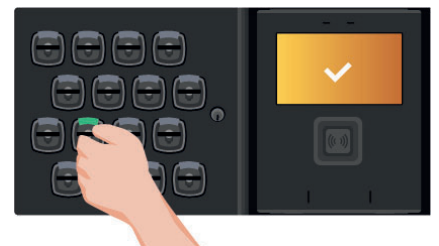
- 1 User scans RFID badge and or enters users unique personnel ID on the central unit



- 2 Key module illuminates on key panel indicating assigned key that can be released to user under define permissions



- 3 User can remove key from key module and begin process of operations.



Configuring the Smart Key Manager can be as simple or as complex as the process requires. All permissions are defined by the end user and are dynamic to allow changes to permissions, sequencing, and reporting as the needs of the business change.

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USAGE

The Smart Key Manager permission control system should be used for tracking and traceability of permissions and keys through process operations. Managing the complexity of these processes manually diminishes valuable time and resources. Real-time data visibility of key permissions and date/time stamp data provides management flexibility to **makes changes as needed and quickly view key status movement to assess efficiencies of operations.**



No hazardous substances were used in the manufacturing of the product. The product can be disposed of in standard waste receptacles.

INSTALLATION

The Smart Key Manager central unit and key panel(s) can be mounted to a wall with standard mounting hardware. The location of mounting must be located within range to a power source, as the central unit requires 110/220 voltage.

See the full installation and user's manual for more details.



The Smart Key Manager System must be installed by a competent and qualified person who has read and understood these instructions. Please retain this document in your technical files.

MAINTENANCE

The Smart Key Manager should be periodically maintained to ensure proper working order of components and key modules.

Contact your Smart Key Manager supplier for any technical or configuration questions with the central unit or key panels.

See the full installation and user's manual for more details

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TECHNICAL DATA

	Central Unit	Key panel
RFID Frequency	125kHz / 13,56MHz	125kHz
Protection Factor	IP40	IP40
Temperature	+5°C to +40°C	+5°C to +40°C
Storage Temperature (power off)	0 to + 60°C	0 to + 60°C
Dimensions (L x W x D)	315mm x 95mm x 360mm	403mm x 96mm x 360mm
Weight	5 kg	8.5 kg
Power supply	80 ~ 264V CA 113 ~ 370V CC	12VCC Via Central Unit
Cabinet material	Steel + Polyester paint	Steel + Polyester paint
Plastic part material	POLYLAC PA-707K/ Iupital F20-03	POLYLAC PA-707K/ Iupital F20-03
Max Consumption	80,4W – 6,7A for the full system	
Max number of key panel		8
Ethernet Interface	10/100 Mbit with IEEE 1588	
Display Size	10.1 inches (16:9 Diagonal)	
Operating System	Embedded Linux	



Product:

Central Unit Smart Key Manager V2

Company name: Castell Safety International Limited

Address: The Castell Building, 217 Kingsbury Road, London, NW9 9PQ UK

Contains FCC ID: WP5TWN4F17 - 2A9X2STISKM2001

Contains IC: 7948A-TWN4F17 CAN ICES-003 (B) / NMB-003 (B)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

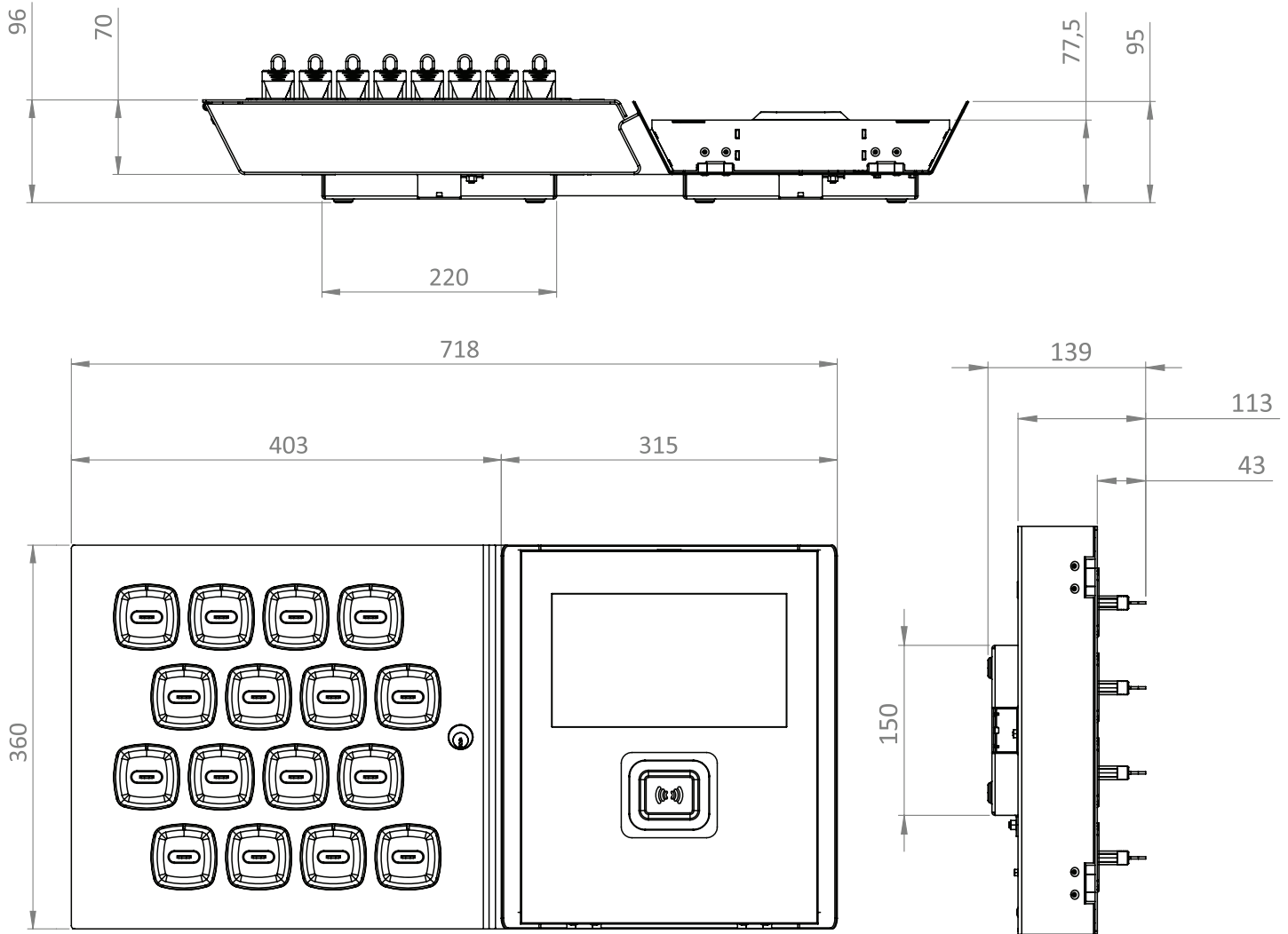
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DRAWING

Note: For safe mounting, use security screws

SKM



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ORDER INFORMATION

SKM2 CU 000	Central Unit	
SKM2 KP 000	Key panel	
SKM2 KM 000	KH	Key module key holder
	QFS	Key module for Q and FS
SKM2 KH 000	Key holder	
SKM2 CA 000	User Card	
SKM2 KT 000	Q	Key RFID Tag for Q key
	FS	Key RFID Tag for FS key



Key Holder
SKM KH 000



Castell FS Key



Castell Q Key

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