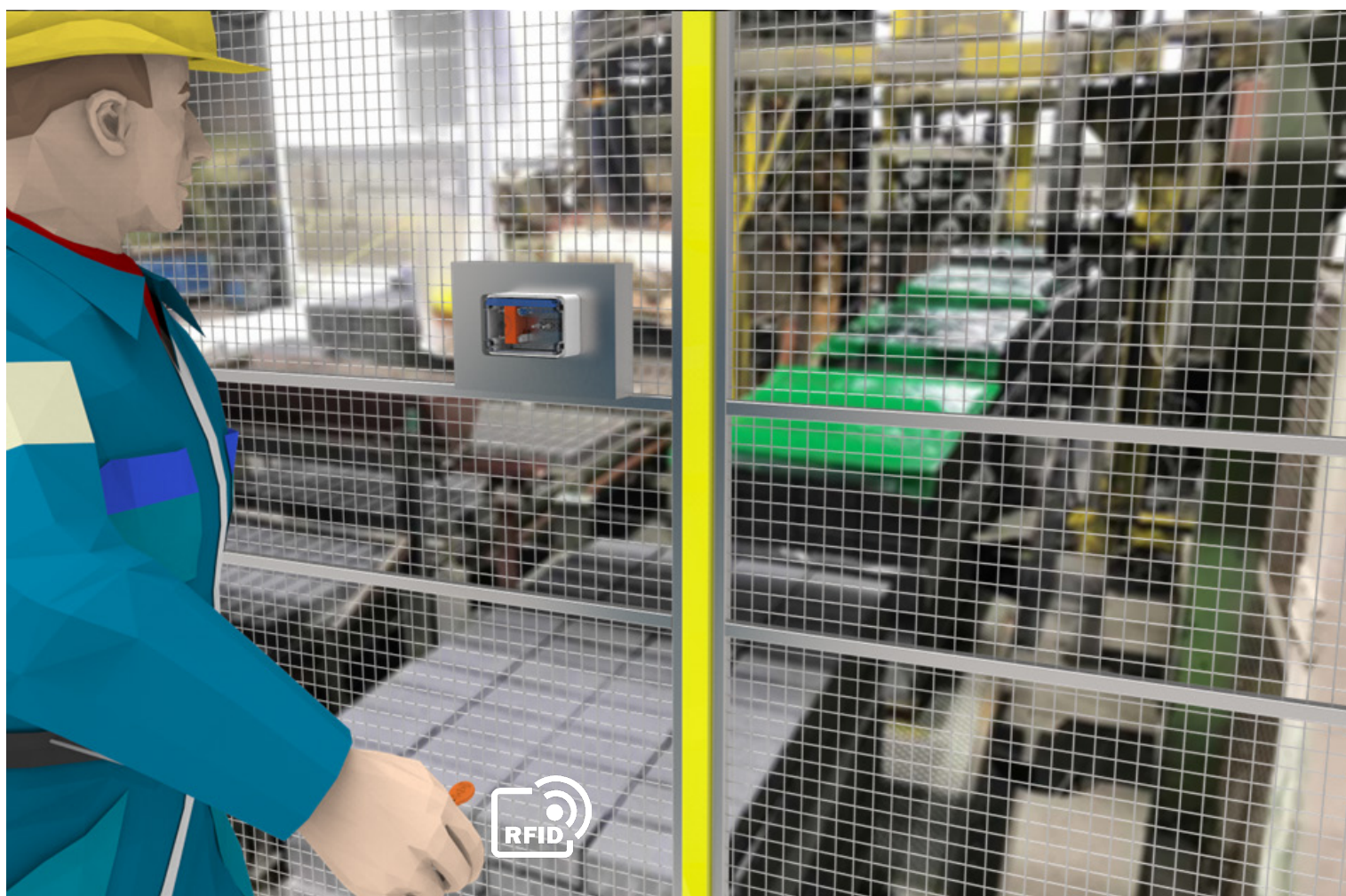


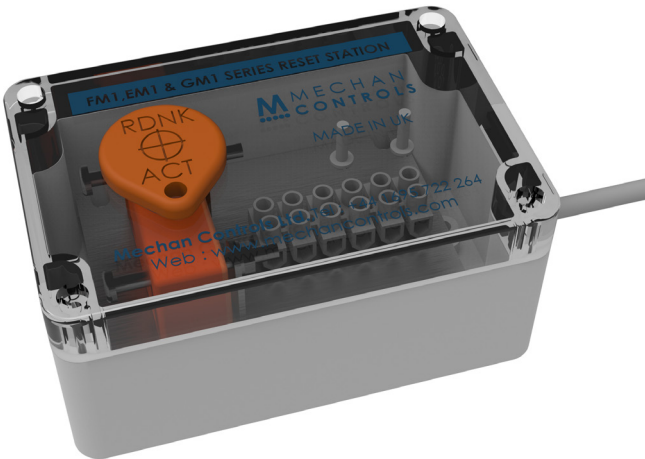


Installation Instruction for
Uniquely Coded RFID Reset Station



Machine Safety for People and Productivity

RFID Reset Station Features and Benefits



Avoid inadvertent startups with the Mechan Controls RFID reset station. Once you open the guard and enter the machine, only the coded key will be able to reset the machine. The key also has to be removed from the reset station in order to reset the machine (by using the manual reset function on the recommended Mechan safety controller EM1/FM1/GM1/SRL1). This gives the user peace of mind whilst operating inside the hazardous area.

The reset station works in conjunction with the EM1,FM1,GM1 or SRL1 safety control units. It features a unique RFID switch key that can only be operated by a 4 billion uniquely coded actuator.

The reset key comes attached to retractable belt chain to help prevent loss or damage to the RFID actuation key.

Technical Specifications	Reset Station	Reset Key
Supply	+24VDC	-
Coding	4 Billion Unique Codes	4 Billion Unique Codes
Protection	IP65	IP69K
Operating Temperature	-10°C to +60°C	-10°C to +60°C
Fixing	x4 M4 Screws	-
Construction	Plastic	Plastic
Contact	2 NO	-
Contact Rated Current	500mA / 24VDC	-

Connection

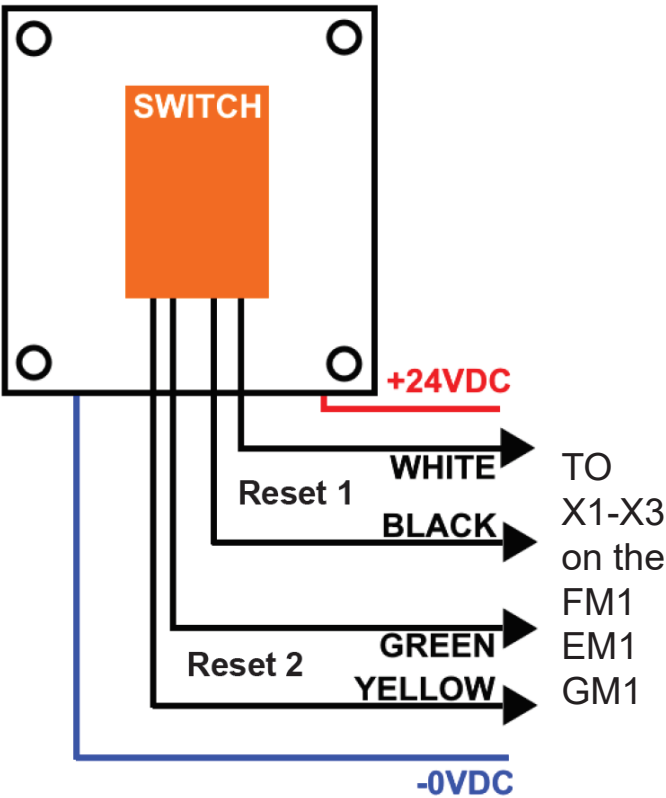
Connect 24VDC supply directly to the reset station:

Red = +24VDC
Blue = 0VDC

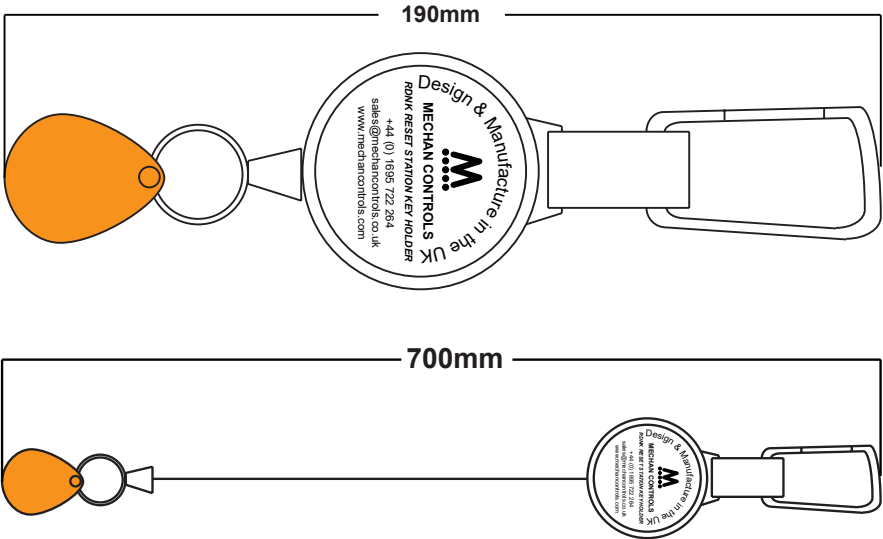
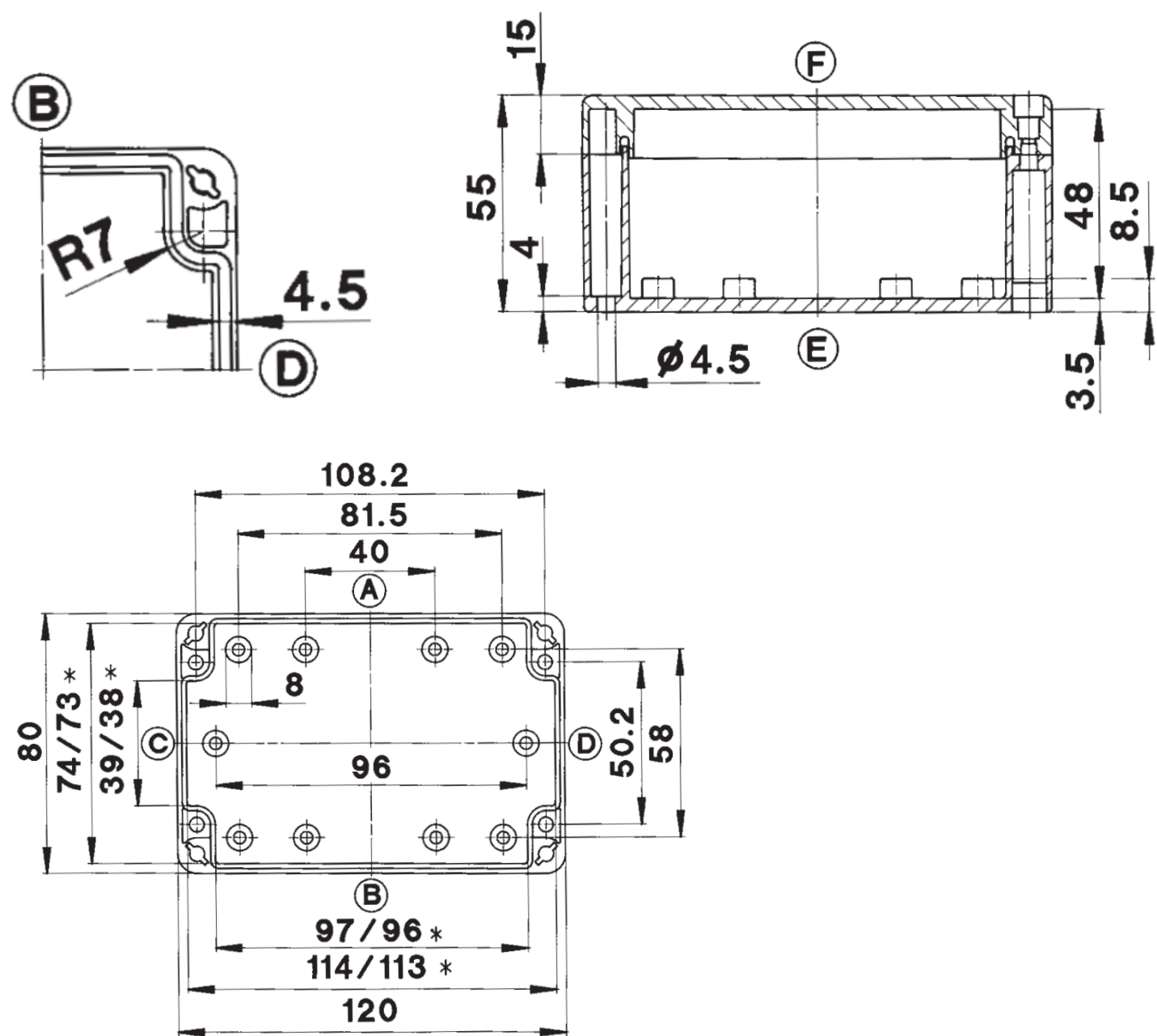
White + Black = Reset 1
Green + Yellow = Reset 2

Mechan Controls recommend EM1,FM1,GM1 or SRL1 safety controller working with the reset station. The switch will connect as part of X1-X3 circuit (manual reset function) on the FM1,EM1 or GM1 control unit to monitor and control the reset circuit function. Refer to EM1/FM1/GM1 installation instruction

Note: If customers use third party safety controller, the manual reset function should be selected. Customers should ensure that both the rising and falling edge of the reset signal is monitored.



Dimensions



Reset Key Holder Retracted

Reset Key Holder Extended

Installation

Ensure the reset station is mounted outside of the hazardous area. It would ideally be situated close to the access point.

Multiple access points?

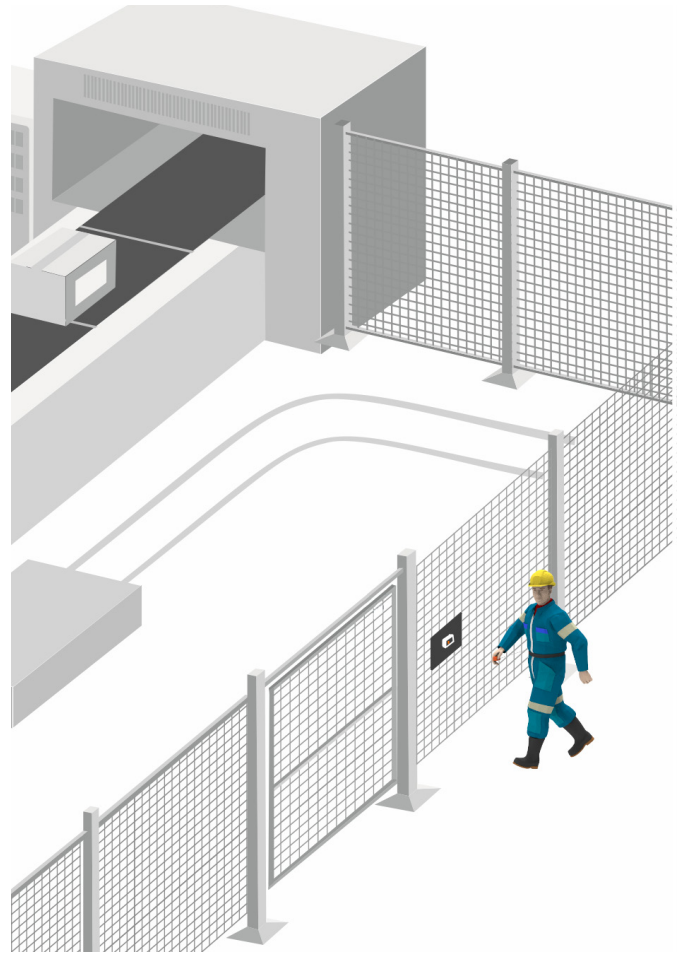
We can provide different coloured reset keys that will be colour coded to the reset station. Each of the keys will have an different code that will not activate another keys reset station.



Re-Teach RFID Key Unlimited Times

If you lose or break an RFID key, you can re-teach a new one following these simple steps:

- 1) Drop the power supply to 17VDC
- 2) Bring the new RFID key in range of the switch
- 3) Bring the supply back up to 24VDC



Safety Assessment

A risk assessment should take place to establish safety requirement of the machine. For further information, please contact Mechan Controls Ltd.

The products may only be installed, commissioned, operated, maintained by competent persons.

A competent person is a qualified and knowledgeable person who, because of their training, experience and current professional activity, has the specialist knowledge required. An understanding of European and International laws, directives and standards is recommended.

Maintenance

It is recommended to check the safe operation of the reset station and look for signs of damage or excessive wear on a weekly basis. Damaged units should be replaced or returned to Mechan Controls Ltd for repair where practical.

Disclaimer

In the interest of product development specifications are subject to change without notice. It is the responsibility of the user to ensure compliance with any acts or by-laws in place. All information regarding Mechan equipment is believed to be accurate at the time of printing. Responsibility cannot be accepted for errors or omissions.



Mechan Controls Ltd, 14/16 Seddon Place, Stanley Industrial Estate Skelmersdale, Lancashire, WN8 8EB

+44 1695 722 264 sales@mechancontrols.co.uk www.mechancontrols.com