Fortress Guide to re-teaching a new RFID Safety Key

Personnel keys are defined in ISO/TS 19837:2018 as '*keys released from a trapped key operating device and retained by a person to prevent a hazardous situation (i.e. unexpected start-up)*'. Safety keys protect personnel whilst operating in hazardous spaces which is why the RFID safety key has been designed to prevent key duplication in situations where keys have been lost, misplaced or damaged.

The re-teach function allows RFID safety key (RSK) modules to clear memory of all previous key codes and replace with 'new' keys. How does this work? Follow this guide to re-teach your RSK module to new keys.

Teach Key - RLK-SUCT-XRB

Spare Key - RLK-SUNS

To reteach an RSK module to a set of keys, the module must be in the unlocked state, with at least one **position free of keys**. The unlocked state is indicated with a yellow illumination. A spare key such as the RLK-SUNS will be needed to replace the lost/missing key.

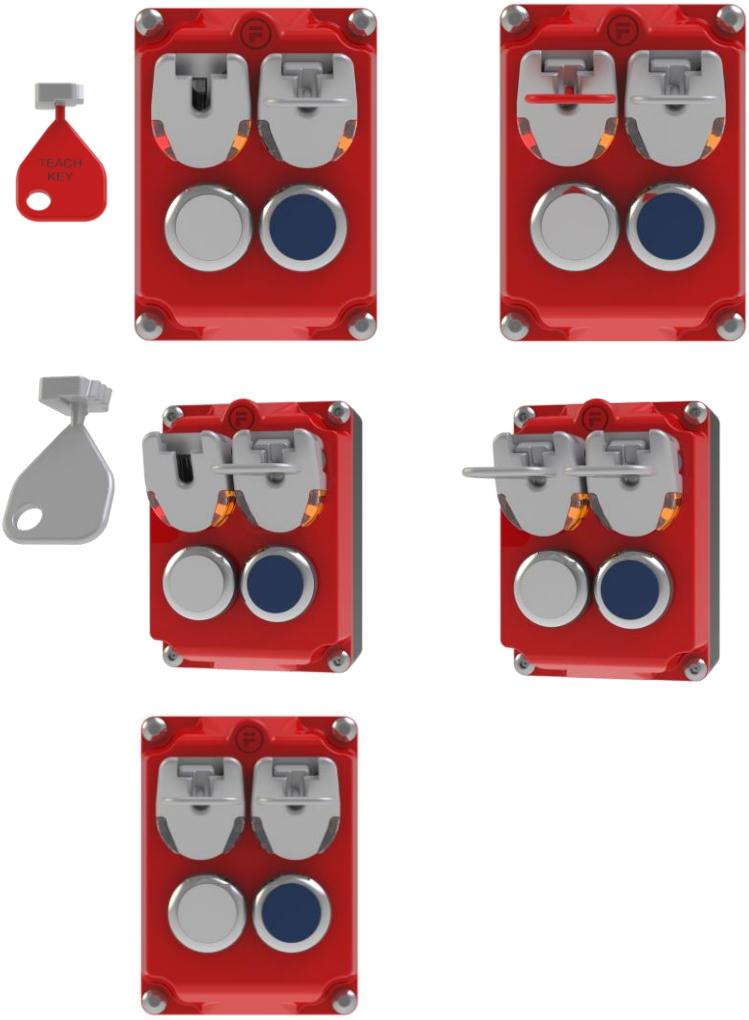
1. **Teach Key**. On the RSK module which is being re-taught, enter the Teach Key **'RLK-SUCT-XRB**' into an empty slot.

2. **Clear Memory**. The Teach Key **'RLK-SUCT-XRB**' will remove existing memory of unique RFID codes associated with this device. The next step will be to assign the new codes by entering all keys into the device.

3. **Teach**. Be aware you have 60 seconds to reteach the system in this next step. Remove the Teach Key **'RLK-SUCT-XRB**' to start the 60 second timer. Now insert all keys which are to be *assigned* to this device. Leave the keys in this device until the full minute has completed.

4. **Restart**. Keys will now be registered to the device and the system will automatically restart. The yellow LEDs will deactivate upon restart.

5. **Test this system**. Does the red light illuminate when an *assigned* key is removed and deactivate when an *assigned* key is inserted? Can all keys within the device be locked in position (this is indicated by the deactivation of the yellow illumination)



What if a lost key is found?

A lost key will not work with a re-taught unit. If you attempt to enter this key into the device, it will not be recognised, and this will be indicated by the red LED flashing (incorrect RFID).

This key can however be kept as a spare! Keys can be retrained more than 1000 times.