



# Saflok Multi Channel Controller

## Installation Instructions

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EN

dormakaba 

# Overview

The Saflok Multi Channel Controller (MCC) will allow up to 12 individual pass level controlled relays. The standard MCC is available in 2 configurations, 8 relay and 12 relay. Saflok also has a 16 to 128 Expanded RFID only MCC available. Contact Saflok for additional information

The Saflok MCC is designed to expand on the single relay ECU when more floor control is necessary. The MCC can be used with any type Saflok card reader (SL2500, MT, Adese, Quantum RFID, Quantum 2 RFID)

The MCC relays should be wired in series with the elevator floor call buttons requiring control. A valid key card would need to be read by the card reader to activate the relay associated with the floor call button. Once the reader has been activated the guest would press the call button. The MCC relay activation time can be controlled via a dip switch on the controller. Refer to the MCC controller wiring diagram.

The MCC controller is housed in a NEMA 12 enclosure measuring 8"x8"x4" which is designed to mount on top of the elevator car. The maximum distance between the Saflok card reader and the MCC controller is 15'. Saflok has a "Go Far" option available if the MCC needs to be mounted in the machine room. Contact Saflok for additional information. Up to 2 card readers can control one MCC controller.

## The MCC consists of

- MCC controller
- 15' long communication cable\*
- Saflok ECU card readers specially programmed to MCC\*\*

### Note:

\*The 15' communication cable has 2 configurations, SL2500 and MT. The SL2500 configuration will only work with SL2500 readers, The MT configuration will work with MT, Adese, Quantum RFID, and Quantum 2 RFID

\*\*The Saflok ECU card reader must be programmed with MCC configuration. There will be a "MCC" label on the ECU PCB denoting this configuration.

### The customer will have to supply:

24 Volts AC (10 VA) to power the MCC controller.

# Elevator Control Unit

## IMPORTANT

Prior to the installation of the dormakaba Elevator Control Unit, please take note of the following



- Dormakaba does not install ECU's
- Please contact your elevator company to schedule the install
- Install documentation can be found at the following locations
- Website **[www.dormakabalodgingsupport.com](http://www.dormakabalodgingsupport.com)**
- Your system 6000 USB drive
- Contact your project coordinator
- Questions can be sent to the following email address: **[techsupport.LGS.US@dormakaba.com](mailto:techsupport.LGS.US@dormakaba.com)**
- Or call dormakaba tech support at **(800) 999-6213**

# Installation

## **Mounting ECU card reader:**

The Saflok ECU card reader is designed to mount into the elevator car call button panel. See the ECU card reader installation instructions pertaining to the specific type of reader being used for panel cut out dimensions and mounting instructions. There should be at least 2 3/4" clear space behind the card reader for mounting hardware. The position of the reader on the panel will be determined by your local codes.

## **Mounting the MCC controller**

The controller is housed in a NEMA 12 enclosure measuring 8"x8"x4" and is to be mounted securely to the elevator car a maximum of 15' away from the card reader. Care should be taken to mount the controller in a convenient location to facilitate wiring of the MCC to the Elevator car floor call buttons.

## **ECU reader connections:**

Depending on the type of card reader (SL2500 type or MT type) refer to the appropriate wiring diagram.

The SL2500 reader requires the red and black communication cable wires to be wired to the 5 volt terminal of the MCC

The MT type (MT, Adese, Quantum, Quantum2) readers require the red and black communication cable wires to be wired to the 24 volt terminal of the MCC

## **MCC connections:**

The MCC requires 24 volt AC (10 VA) power.

The MCC communications cable is approx 15' long.

For relay wiring information refer to the MCC diagram.

# Multi Channel Controller (MCC) with RCXT

## Communication and Power Connections

This SAFLOK™ Multi Channel Controller will require the hook up of the communication and power harness. Use the illustration below to make the connections. Note: This procedure is for MCC with RCXT card reader

### Communications and Power Harness Connections for RCXT

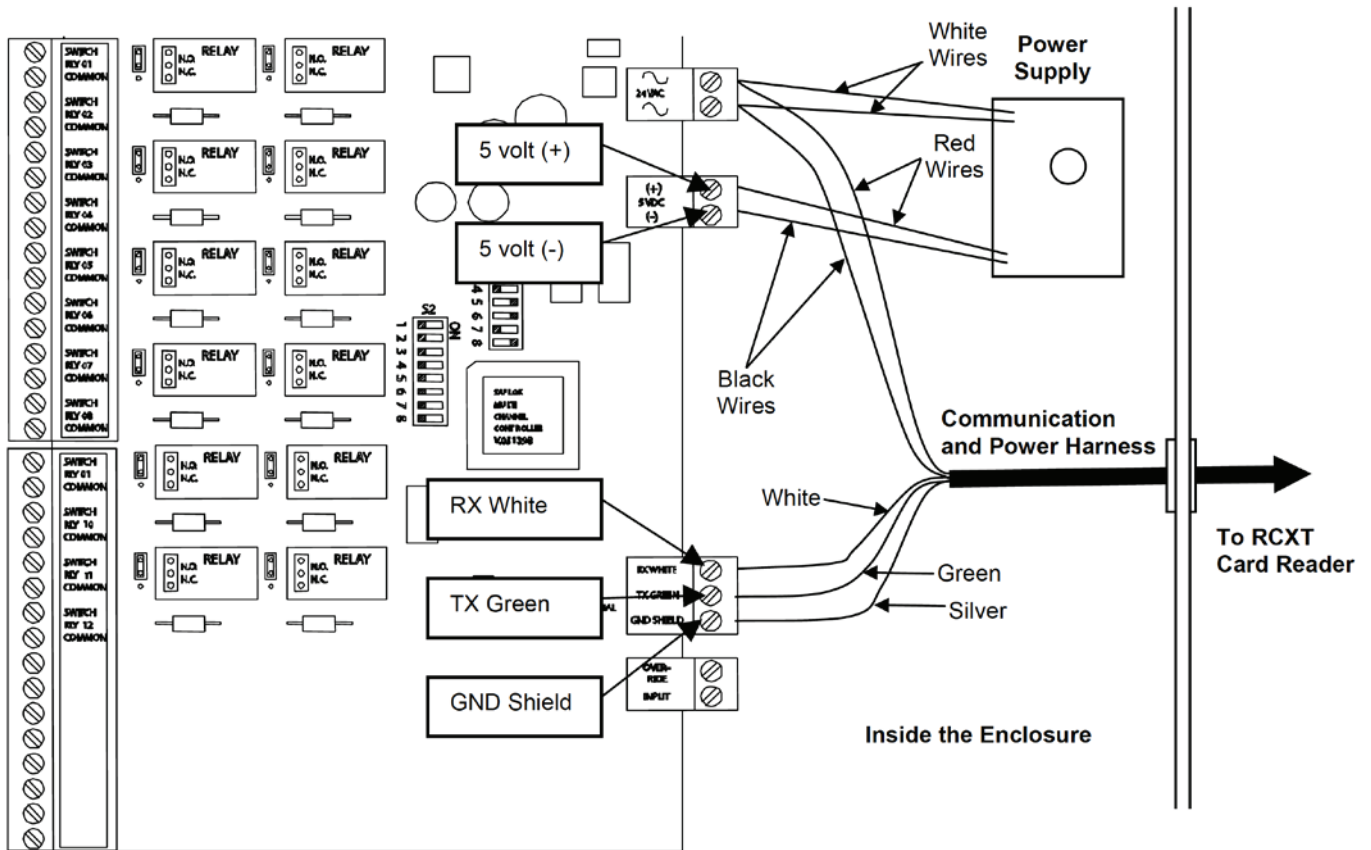
Red Wire..... 24 VAC

Black Wire ..... 24 VAC

White Wire ..... TTL Serial RX

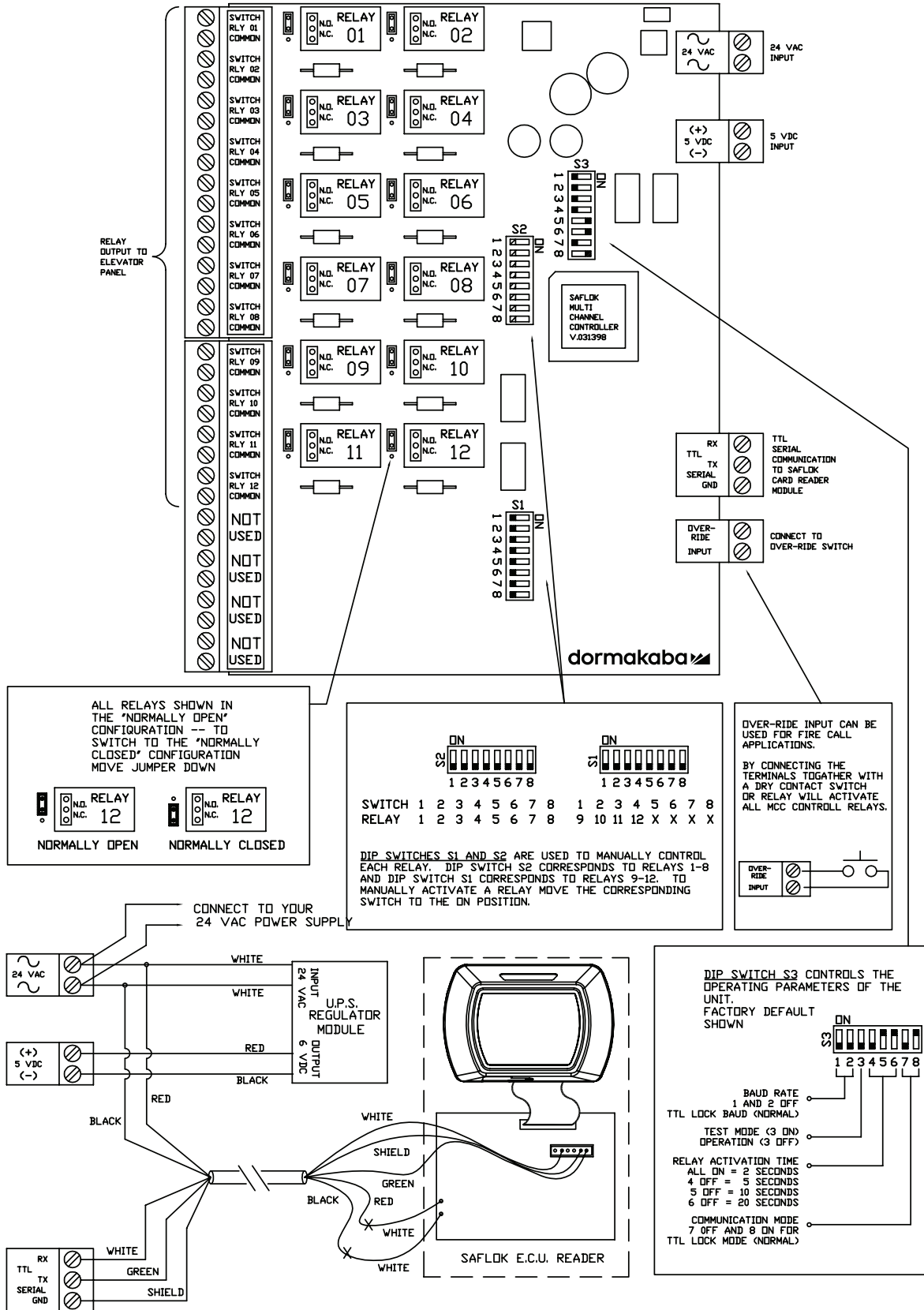
Green Wire ..... TTL Serial TX

Silver Wire..... TTL Serial GND



# Multi Channel Controller (MCC) with RCXT

## SAFLOK MULTI-CHANNEL CONTROLLER



SCC 10/10/96 /RCUECU/ECURELAYPANEL.DWG  
REV 1 JJ 03/24/97 /ECURELAYPANEL.DWG  
REV 2 JJ 04/15/97 /ECURELAYPANEL.DWG  
REV 3 JJ 03/13/98 /ECURELAYPANEL.DWG  
REV 4 JJ 05/08/12 /ECURELAYPANEL.DWG  
REV 5 JJ 02/20/19 /ECURELAYPANEL.DWG

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