

# Configuring sequential control between a window and a sunshade

### **Purpose**

This document describes how to configure FlexiSmoke<sup>™</sup>, CompactSmoke<sup>™</sup> or CompactComfort<sup>™</sup> MotorLines, when used in places where there is a risk of the window hitting the sun shading mounted in front or above it.



# **General**

The correct configuration will result in:

- 1. The window stops opening before hitting the sunshade if the sunshade is down.
- 2. The sunshade will not run down if the window is opened to a position so the sunshade will hit it if it will run down.
- 3. This guide is valid for panels running firmware versions:

a. FlexiSmoke™
b. CompactSmoke/Comfort™
0.87
1.18, 1.01

#### **Setup**

- 1. The window actuator is running in MotorLink™ mode.
- 2. The sunshade actuator is running in +-24V mode.
- 3. The 2 MotorLines are connected on the same FlexiSmoke™ section or the same CompactSmoke™/CompactComfort™ panel.
- 4. When the sunshade is up (not covering the window) it is in 0% position. When the sunshade is down (covering the window) it is in 100% position.

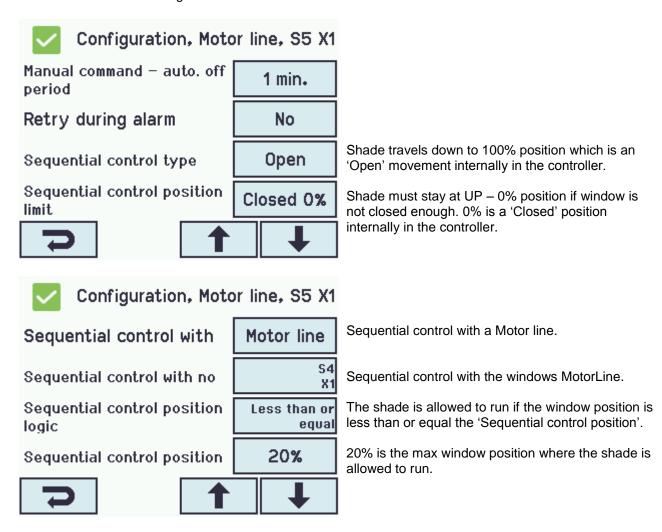
## **Configuration**

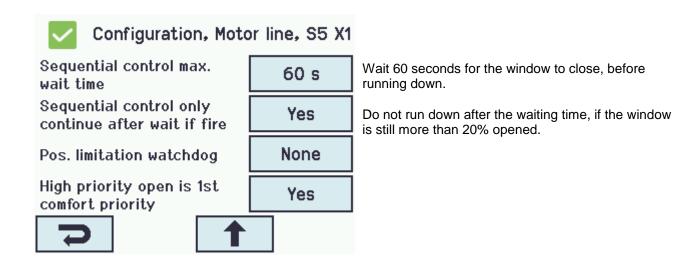
Sequential control between the 2 MotorLines is used to implement the solution. In this example:

- MotorLine S5X1 is for the sunshade actuator and MotorLine S4X1 is used for the window actuator.
- It takes the sunshade 30 seconds to run from 100% to 0% position.
- 2 Open/Close local inputs are used S5X5 for comfort controlling the sunshade, S4X5 for comfort controlling the window.
- The window MotorLine will be associated with one Motor Group and one Smoke zone. The sunshade MotorLine will be associated with another Motor Group and another Smoke zone.

# 1. MotorLine S5X1 configuration

We want to prevent the sunshade from running down if the window is more than 20% opened. In the S5X1 MotorLine configuration menu:

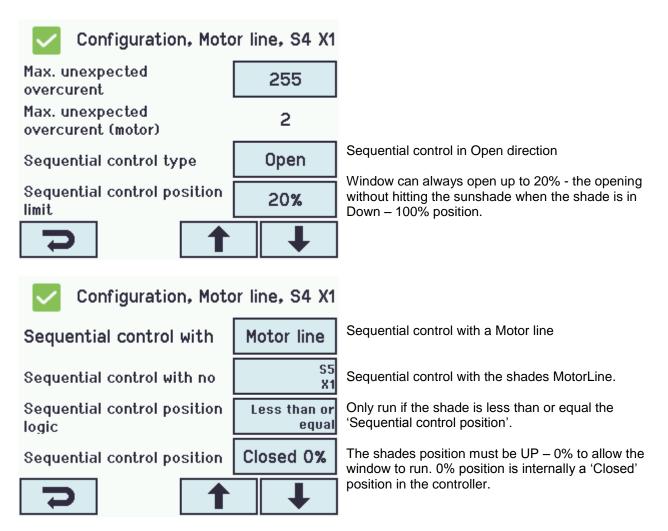


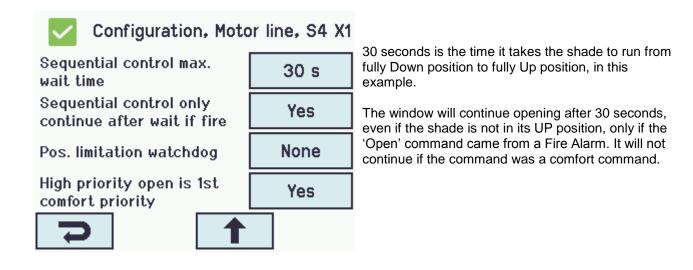


# 2. MotorLine S4X1 configuration

We want the window to wait for the sunshade to move up before it is going on and opens more than the position it can open, without hitting the sunshade.

In the S4X1 MotorLine configuration menu:

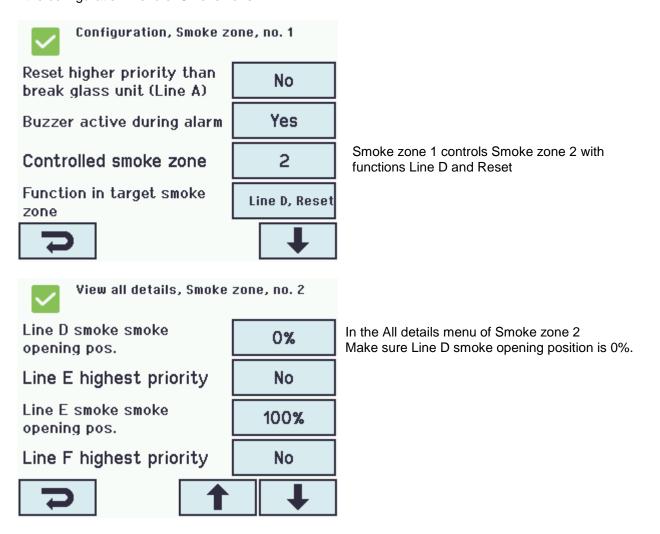




## 3. Smoke zone configuration

In this example:

- The window is associated with Smoke zone 1, the sunshade is associated with Smoke zone 2. In the configuration menu of Smoke zone 1



When the smoke alarm is triggered, the window will open to 20% and wait for the sunshade to run Up to 0% position. When the sunshade is UP or 30 seconds after the window has reached the 20% position, the window will continue to open fully.