MICROSENS

Data Sheet
Smart Director App v100

Made in Germany

Overview

The MICROSENS Smart Director Application is the software solution for the next generation of room automation. Distributed installed on a MICROSENS Switch or Central Smart Lighting Controller it provides the control and operating level for the users. The Smart Director Application enables the operation, control and automation of light, blinds and temperature control at room level, with the inclusion of Smart Sensors and conventional buttons.

The functions of the Smart Director Application include assistance during commissioning, automatic setup of Room automation or Professional Lighting System, automated creation of a WEB GUI for users and visualization of sensor data. Automatically generated scenes can be customized and new scenes can be added to adapt the functions to the requirements.

In addition, the Smart Director Application has an interface to the MICROSENS Smart Building Manager for receiving commands and providing room data.

Highlights

- Light, blind and heating control
- Simplified commissioning
- Scene configuration
- Assign Smart Sensor values to scenes

- Integrated automatic Web-GUI generator
- Interface to MICROSENS Smart Building Manager

Scope of functions

General structure

The behavior of the connected components is defined in the Smart Director application. For this purpose, sensors and actuators are organized in groups, on which actions triggered by user or smart sensor values act. Configurable scenes are used to define which input commands lead to which action.

Light Control

The Smart Director Application can control up to 12 independent light zones. A light zone consist of individual lights that should perform the same action together.
Motion and brightness information from a MICROSENS Smart Sensor can be used for auto dimming and turning off/on the lights if a room is not used.

Blind Control

Connected blinds can be moved up and down, as well as slats can be adjusted. Moving the blinds based on the brightness values of the intelligent sensor is also possible.

Climate Control

The climate control system regulates to a set point value desired by the user, whereby three modes allow a different deviation (dead band). A PWM signal and 0-100% output are available as signals to heating and cooling actuators. In addition, a dew point sensor and a window contact can be connected to stop the regulation if necessary.

Monitoring

In the GUI, various graphs are provided to display the energy consumption of the lighting. In addition, the current room temperature is displayed and the temperature curve is visualized.

Graphical User Interface

The Smart Director Application comes with an integrated Web GUI for user operation. This is automatically generated during commissioning, depending on the individual configuration.

Commissioning

The system is put into operation directly in the Smart Director Application. Two preset variants are available:
- Room Automation
- Professional Lighting System

The standard configuration can be customized to meet individual requirements

Features

Characteristics

Light control
- 0 to 100 % dimming
- Auto dimming
- Luminous colour control
- Human Centric Lighting (HCL)
- Configurable time out
- Max 12 light zones
- Max 12 lights per zone

Blind control
- Up/Down
- Slat adjustment
- Brightness based movement
- Max 2 separate blinds

Climate Control
- Set point definition
- Three operating modes
- Window sensor integration
- Dew point sensor integration
- PWM and 0 to 100% output

Monitoring
- Active scene
- Light power consumption
- Temperature
- Temperature history

Commissioning
- Quick start for typical scenarios
  - Room Automation
  - Professional Lighting System
- Customization of scenes

Scenes
- Max 30 scenes

Web GUI

Default Pages
- Scene overview
- Light control
- Blind control
- Climate control
- Monitoring
- Settings (PIN protected)
  - Time out
  - Reference brightness

Compatible Browser
- Google Chrome (latest version)
- Mozilla Firefox (latest version)

Compatible devices

- Profi Line G6
- Micro Switches G6
- Central Smart Lighting Controller

Ordering Information

		Description	Art.-No.
		Smart Director Application	
		Smart Director App 1 x usage right to operate the App on 1 Central Smart Lighting Controller or on 1 compatible MICROSENS Switch with FW G6; incl. SW Maintenance for 1 year (download of updates)	**MS200310**