

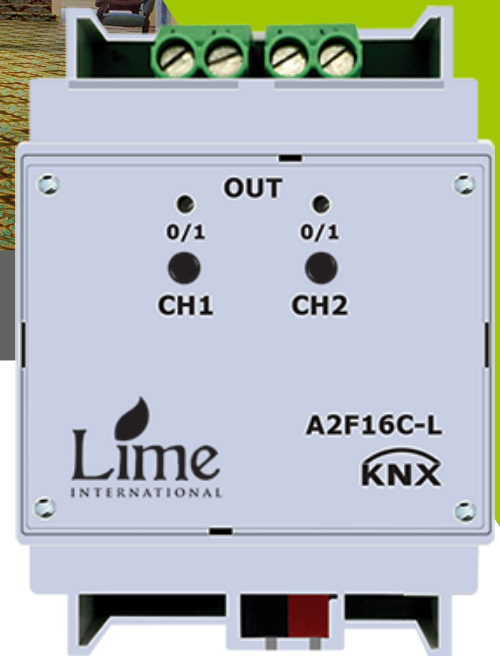


# Lime Knx Switching Actuators

## C- LOAD

### DESCRIPTION

The Netra-series switching actuators are especially suited for high loads, (also capacitive loads, with high start-up peak ) C load The load for each channel is 16A at 250V AC, each channel can be assigned its own mains phase. Each channel is connected to a screw terminal  
Each channel has a button for manual operating and a LED for the switching status.



### TECHNICAL DATA:

Max. group addresses:	96	<b>DIMENSIONS</b>
Power supply:	24V DC via KNX	◆ 2 fold: A2F16C-L / 53 x 90 x 60 (3 RU)
Auxillary power supply:	Not necessary	◆ 4 fold: A4F16C-L / 71 x 90 x 60 (4 RU)
Protection class:	IP 20	◆ 6 fold: A6F16C-L / 106 x 90 x 60 (6 RU)
◆ Installation:	35mm DIN rail	◆ 9 fold: A9F16C-L / 159 x 90 x 60 (9 RU)
◆ Mechanical life-cycle:	10 <sup>6</sup> switching operations	<b>MAXIMUM POWER PER CONTACT</b>
◆ Operating temperature	-5 .... +45 °C	Incandescent lamp load 3680W
◆ Rated load per contact:	16A / 250V 50..60Hz	Fluorescent lamp load
◆ Maximum power per contact:	DC 21 ... 32 V SELV	Compensated 3680 W
		Uncomp. ( C max 200uF ) 2500 W
		Low volt. halogen with transf. 2000W

### CAPACITIVE LOAD

- ◆ A2F16C-L: 200µF
- ◆ A4F16C-L: 200µF
- ◆ A6F16C-L: 200µF
- ◆ A9F16C-L: 200µF

# TERMINALS

Conductors permitted:

- Single core 0,2 - 6mm<sup>2</sup>
- Fine wired 0,2 - 4mm<sup>2</sup> with end sleeves

# MOUNTING

The device is mounted on DIN rail, DIN EN 60715 TH35

## PRODUCT AND FUNCTIONAL DESCRIPTION

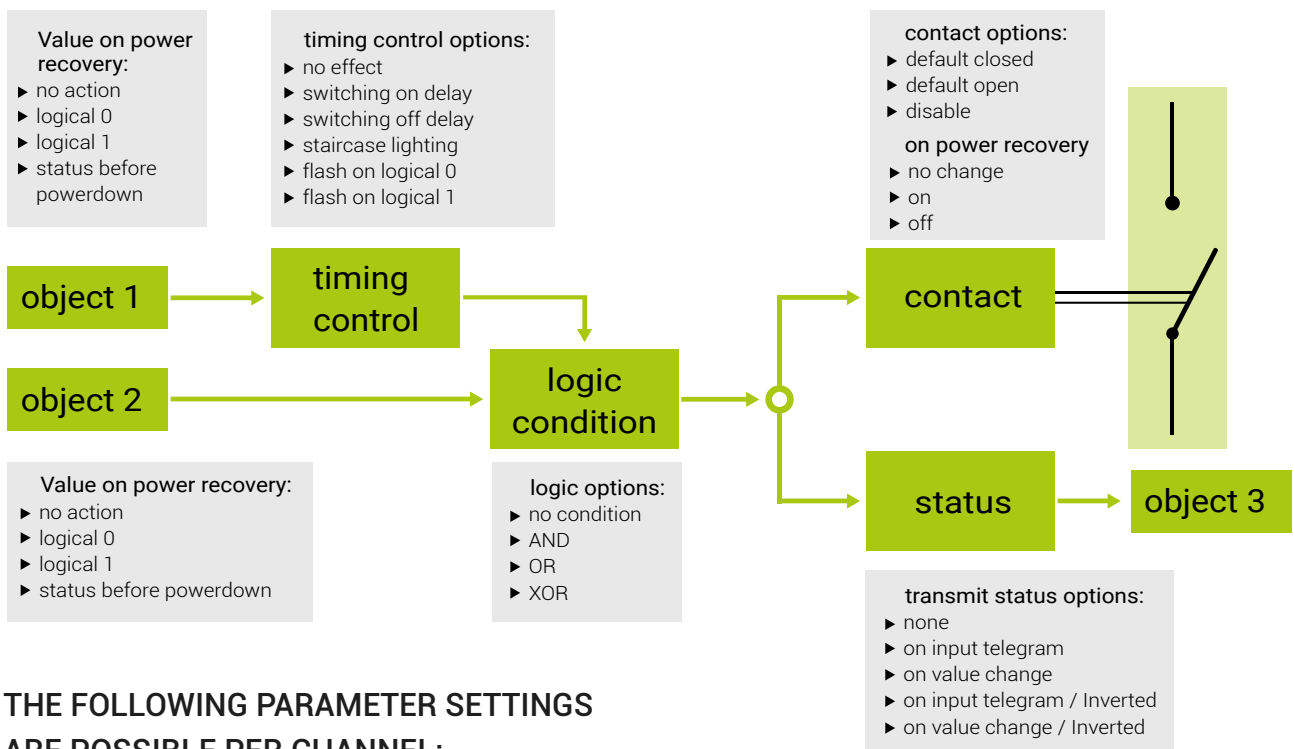
- The switching actuators should be suited for capacitive loads
- The load for each channel is 16A at 250V AC, each channel can be assigned its own mains phase.
- Each channel has a button for manual operating and a LED for the switching status.
- 2, 4, 6 and 9 channels

## APPLICATION PROGRAM:

The switching actuator has the application program which can be loaded with ETS.

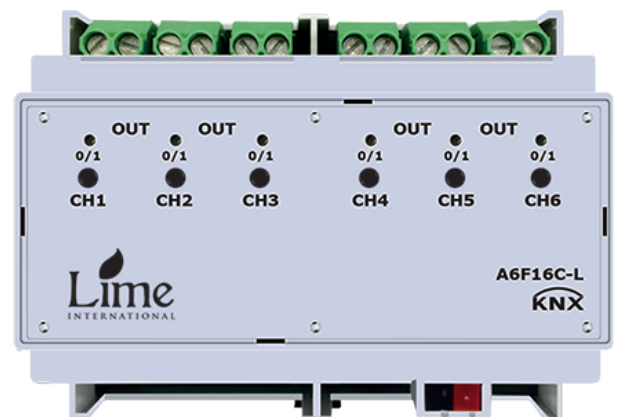
In bus mode a communication object for switching, for status check and for logic operation can be available per channel.

In addition, you can choose whether all channels shall be configured jointly and hence identically or each channel separately and individually.

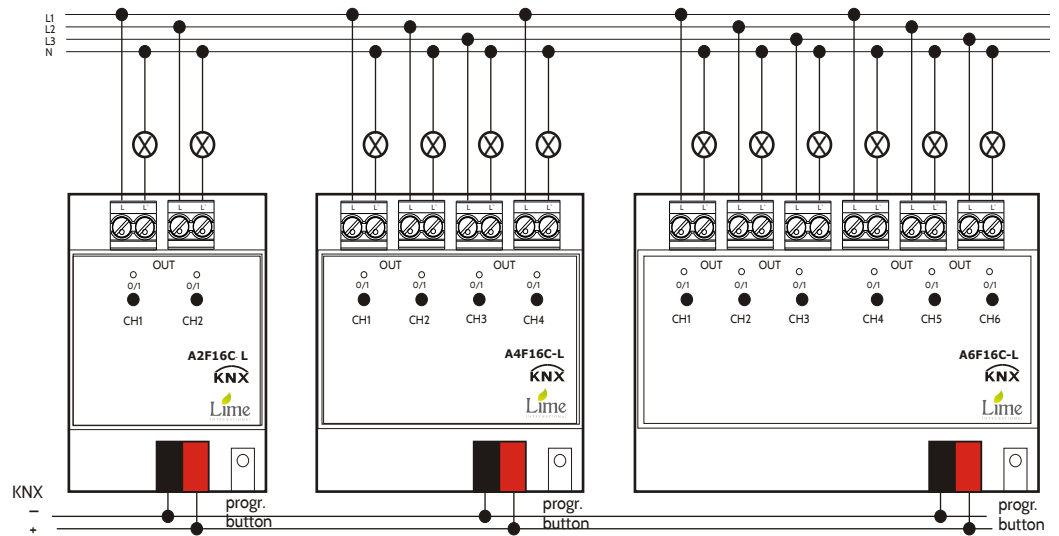


## THE FOLLOWING PARAMETER SETTINGS ARE POSSIBLE PER CHANNEL:

- Operating mode (normal / time switch mode)
- 32 scenes per channel
- Relay mode (normally open contact / normally closed contact)
- Logic operation functions, (none, AND, OR, XOR)
- Time functions (ON delay / OFF delay)
  - ★ Status functions
  - ★ Announce function,
  - ★ inhibit function,
  - ★ hour meter
- Switching state after mains voltage recovery.



PRODUCTION IN GERMANY, CERTIFIED ACCORDING TO ISO 9001



## CONFIGURATION

Programming the device is provided via the ETS Software and the corresponding product data base.

The actual version is available at:

[www.lime-smart.com](http://www.lime-smart.com) in the service area

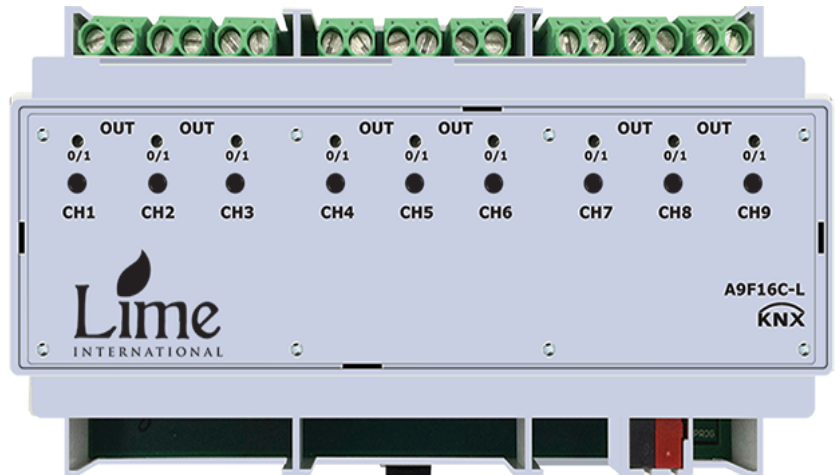
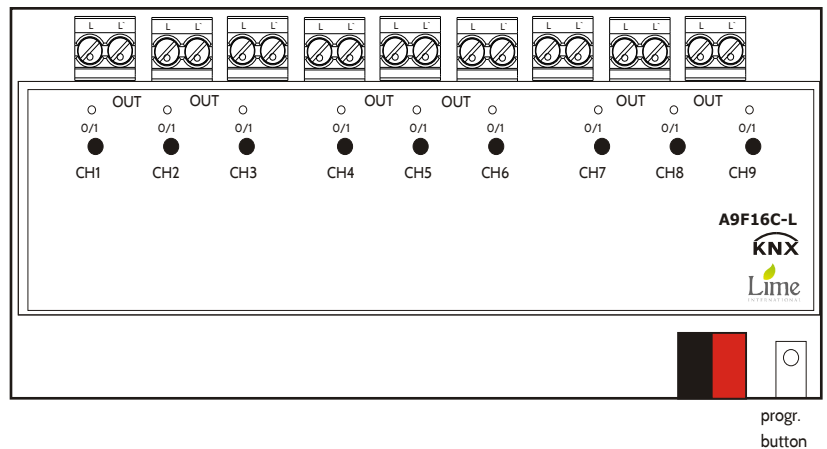
## WARNINGS

The device must only be installed and configured by a qualified professional.

If the 230V outputs are connected to different phases, which are not protected by the same protector unit, a clearly safety note has to be attached to the device!

Health and safety regulations have to be compiled with!

A faulty device must be returned immediately to Lime international.



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## KNX

This device complies with the KNX guidelines. Detailed knowledge of KNX and KNX training are a pre-condition for understanding and proper installation. Planning, installation and commissioning of the device are done with KNX-certified software.

**Support** The standard support is provided by the e-mail address: [Support@lime-smart.com](mailto:Support@lime-smart.com)

Jordan - Amman

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