

# AQ-Auditorium Dimming Control module, **type NS 6 WV**

Order-No.: 50.13.218

The NS 6 WV is suitable for the common control of max. 20 AQ dimmers. Additionally it can control up to 300 fluorescent lamps with electronic ballasts with 1-10V interface or low-voltage halogen lamps with electronic transformers with 1-10V interface as well.

Both interfaces (0-20V or 1-10V) can be selected with a rotary switch at the panel face of the control.

With the NS6WV the following pushbutton functions can be realized:

6xlight level selection

1xBrighter

1xDarker

1xON

1xOFF



## Setting of light levels

6 different light levels can be set with potentiometers at the NS6 WV. On demand the 6th light level can be set with an external potentiometer. The selection of light levels is made at a pushbutton panel or with individual pushbuttons.

## Fade time adjustment

With the potentiometers 'Fade time' at the panel face of the NS 6WV the transfer time from 'Dark' to 'Bright' and from 'Bright' to 'Dark' individually can be set between 3 and 60 secs.

## ON/OFF switching

The NS6WV includes a relay with voltage-free contact with the switching potential of max. 10A/250 V. Higher loads are to be switched with an external relay or contactor. Lighting switches ON at the last set light level. The internal relay can be operated with a pushbutton ON/OFF at the selector panel (latching relay function) as well as external pushbuttons.

## BRIGHTER/DARKER-function

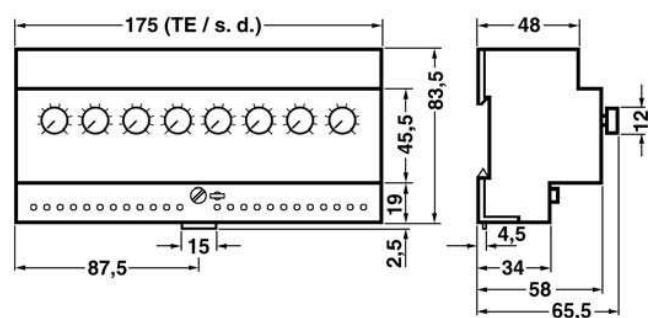
The 2 pushbuttons Brighter and Darker are suitable for the following functions:

- Brighter: Lighting goes within the set fade time into its brightest level as long as the pushbutton is pressed. The last left light level is stored.
- Darker: Lighting goes within the set fade time into its darkest level as long as the pushbutton is pressed. The last left light level is stored

## Technical data:

Characterization	Auditorium Dimming Control NS 6 WV
Type	: NS 6WV
Order-no.	: 50.13.218
Power supply	: 230V, 50/60 Hz
Output voltage	: 0 - + 20V / 1-10V galvanic separated <b>No protective low-voltage</b> (Basic isolation according to IEC 664, 10/92)
Max. output current	
0-20V	: max. 20 mA (20 ALTEMBURGER dimmers)
1-10V	: max. 200 mA for 300 electr. ballasts or transformers with 1-10V interface
Switch contact	: 10 A 250 V~
Protection	: external 6 A
Ambient temperature	: max. 45°C with natural air-convection at vertical mounting position
Terminals	: 0,5 - 2,5 mm <sup>2</sup> , solid wire or litz wire with sleeve
Wire length	: max. 100 m
Own consumption	: approx. 3VA
Housing	: plastic for DIN rail systems
Dimensions	: WxHxD = 175x83,5x65,5 mm
Weight	: approx. 500 gr
Protective type	: IP 20
Contamination grade	: 2 (dry, non-conductive according to IEC 664, 10/92)
Requirements	: EMC met accord. to EN 61547 4/96 Low-voltage met according to IEC 669-2-1 11/94

## Dimensional drawing for the NS6WV



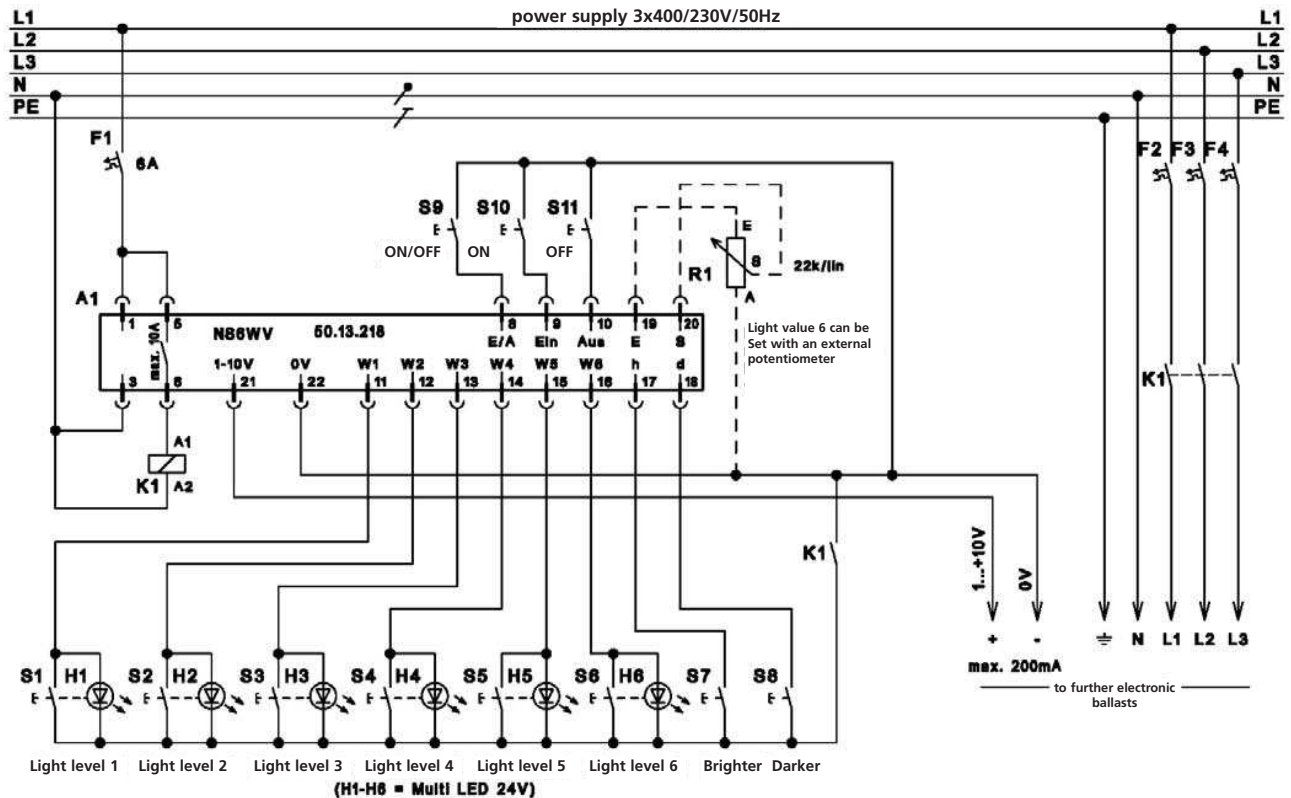
control plates: see page 48

# Wiring diagrams

Control type NS6WV

Order-no: 50.13.218

## Auditorium dimming control type NS 6 WV in connection with electronic ballasts with interfaces 1-10 V and ON/OFF



## Auditorium dimming control type NS 6 WV in connection with max. 40 AQ dimmers and external contactors

