

The master control, type AQS is suitable for the common control of up to 40 ALTENBURGER-dimmers and is operated with an internal rotary potentiometer. An external potentiometer or 1-10 V control modules can be connected (see pages 62 f.).

- Operation of the module with an integrated or an external potentiometer
- Master control of up to 40 dimmers (0-10V) for a load amplification
- Master control of up to 24 dimmers with 1-10 V interface.
- Operation from 2 places through potentiometers ,take'



The master control has an autonomous current supply. External controls are performed with 0-20 V D/C or potentiometers.

1. Control mode (option 1)

All connected AQ-dimmers commonly can be controlled with 1 internal or external potentiometer between minimum and maximum. The potentiometer of any connected dimmer however must be in the switch ON state.

2. Control mode (option 2)

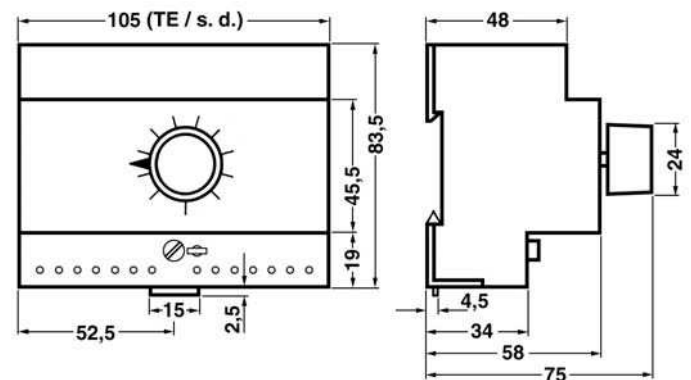
Each connected dimmer individually can be controlled with its potentiometer. All dimmers commonly however can be operated in the master control mode with 1 master control AQS. In this case the potentiometer of each dimmer can be set to any level between, dark (0)' and ,bright'. Control is made for each dimmer between ,0' and the set light level. The wire length between dimmers and master control can be up to 100m.

Suitable dimmers see page 7-13 and 62-69, potentiometers from page 21 on

Technical data:

Characterization	Master control AQS
Type	: AQS
Order-No.	: 50.13.012
Power supply	: 230V, 50 Hz
Output voltage	: 0 - + 20 V
Max.output current	: approx. 40 mA
Protection	: external 6 A
Ambient temperature	: max. 45 °C, natural air-convection at vertical mounting position
Terminals	: 0,5 -2,5 mm ² , solid wire or litz wires with sleeve
Wire length	: max. 100 m
Own consumption	: approx. 3VA
Control voltage	: 0-10V (0-20V) galvanic separation No protective extra low potential (basic isolation acc. to IEC 664,10/92)
Housing	: plastic housing for DIN rail systems
Dimensions	: WxHxD = 105 x 83,5 x 75 mm
Weight	: approx. 400 gr
Protective type	: IP 20
Contamination grade	: 2 (dry, non-conductive, according to IEC 664,10/92)
Requirements	: EMC met according to EN 61547 4/96 Low-voltage requirements met according to IEC 669-2-1 11/94

Dimensional Drawing AQS



control plates: see pages 21-27

Master control AQS

Master control AQS with external potentiometers for the common control of a max. of 40 AQ dimmers (no individual light level setting at the dimmers).

