

The AQ-Lighting control system operates:

In the **phase-control** mode (leading edge):

- Incandescent lamps
- High voltage halogen lamps
- Low voltage halogen lamps with wire-wound transformers
- Neon lamps with high-voltage transformers

In the **phase-interval control mode** (lagging edge):

- Low voltage halogen lamps with electronic transformers
- Incandescent lamps
- High voltage halogen lamps

As **universal-dimmer** (with automatic load identification):

- Incandescent lamps
- High voltage halogen lamps
- Low voltage halogen lamp with wire-wound transformers
- Low voltage halogen lamps with electronic transformers
- Neon lamps



Leading edge dimmers AQ-2 kW/kVA



Lagging edge dimmers AQ-0 1,4 kW/kVA



Universal dimmer AQ 1500-MFU 1500 W/WA

AQ-dimmers

Technical details for AQ-1,3 and AQ 2,0 KW dimmers

1. The dimmers are mounted to the C-profile on DIN rail systems.
2. The function module is plugged onto a mounting plate with terminal blocks, allowing a pre-assembly – without the function module.
3. Interference suppression according to VDE 0875/N
4. Protection through MCB's (to be mounted separately):
AQ 1,3 KW 6A (K/L/B/C/G)
AQ 2,0 KW 10A (K/L/B/C/G)
5. Power dissipation < 1,5 % of the respectively connected load.
6. Max. ambient temperature = +45° C
7. Integrated rotary potentiometer with left hand ON/OFF switching. On demand the potentiometer can be separated and mounted up to a distance of 100 m.
8. Up to 3 AQ dimmers commonly can be controlled with 1 potentiometer without any additional component.
9. Control voltage = 0-10 VDC
10. Into the panel face of each AQ-dimmer 2 trimmer potentiometers are inserted: 1 for the adjustment of the minimum brightness being required, the other one for the adjustment of the maximum brightness.
11. Overload protection reducing the dimmer output in case of inadmissible high temperatures.
12. 14-pole terminal block (AQ-1,3 KW) or 24 pole terminal block (AQ 2,0 KW). Range of wire sections = 0,5 mm² - 4,0 mm².
13. The function module is plugged onto the base with the terminals and secured with a sealed screw.
14. Protected blade contacts are connecting the dimmer base with the function module.
15. AQ-dimmers with different load capacities can be distributed to different phases.
16. All AQ dimmers and control modules are compatible to all other ALTENBURGER Dimmers up to an individual load capacity of 3x8KW/KVA.
17. With the combination of different control modules the AQ-dimmers are applicable for nearly any light configuration (master function, scenes, multi-sensor-controls etc.)
18. If many AQ-dimmers are mounted to DIN rail cabinets, please care for sufficient slots or holes for air-convection, placing the dimmers in a sufficient distance to each other.