

Submittal Data Information

Roth Alpha Module Alpha Zone



Effective: August 2007

Supersedes:

Job: _____ Engineer: _____ Contractor: _____ Rep: _____

ITEM PART NO.	ITEM DESCRIPTION	MANUFACTURER
#234007773	Alpha Module Alpha Zone	Roth



Application & Function

The Alpha-Basis 24 V is applied for the installation of floor heating systems in new constructions or in the modernisation of privately owned residences, office buildings, multipurpose halls, and also for modernising and refitting older buildings.

In most cases, the Alpha-Basis is mounted in the heating circuit distribution cabinet, directly on the wall, or on a mounting bracket. It is designed for the installation of 6 room thermostats (e. g. Alpha-Thermostats) and a total of 14 actuators (e. g. Alpha-Actuators).

The screwless and colour-coded connection technique (spring/clamp terminal connection) allows simple and quick installation. All electrical lines are secured with cable grips. The guides of the cable grips as well as the clear arrangement allow a trouble-free and quick installation of the Alpha-Basis.

Control displays inform the user about the operating state of the thermostats, the operating voltage and the fuse state.

The integrated interface allows the extension of the Alpha-Basis with optionally available modules. The TimerModule, for example, in particular in connection with the Alpha-Thermostats Standard and Comfort, allows automatic temperature setback using two separate heating programs.

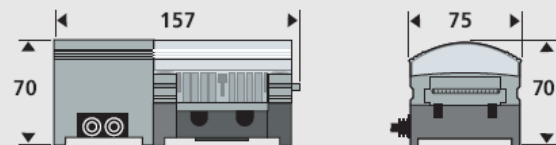
The entire 24 V control system is marked by easy installation, enormous system security and high controlling comfort. It allows a precise and comfortable temperature control in different heating zones within a building.

Features

- Operating mode indicators (voltage supply, fuse)
- Function indicator (operating condition of thermostats)
- Connection by screwless spring/clamp terminal connection
- Clear arrangement of the connection line with cable grip
- Extendible modular
- Also available as 1-room basis

Technical Data

Type	AB 4001-1
Operating voltage	230 V / 24 V AC secondary
Max. power input	50 W
Fuse	T 2A H
Max. number of thermostats	1
Max. number of actuators (about 2 W)	4
Heating programs, optional	2
Dimensions (mm) H / W / L	70 / 75 / 157
Weight, including transformer	1.350 g
Protection class	II
Protection type	IP 20
Ambient temperature	0 to 50°C
Storage temperature range	-25 to 60°C
Relative humidity	max. 80% ¹⁾
Applicable wire sections	
Solid wire	0.5 – 1.5 mm ²
Flexible wire ²⁾	1.0 – 1.5 mm ²



(AB 4001-1)



1) not condensing

2) The wires of the actuators can be used with factory-mounted end sleeves.



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