

Submittal Data Information

Roth Alpha Switching Module



Effective: August 2007

Supersedes:

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

ITEM PART NO.	ITEM DESCRIPTION	MANUFACTURER
#234007775	Alpha Pump Module With Delay	Roth



Application & Function

In connection with the Alpha-Basis, the potential-free relay contact of the Pump-DoubleModule allows a heating pump and another electrical consumer to be switched on and off.

The Pump-DoubleModule is connected to the Alpha-Basis by means of a laterally integrated interface.

If none of the connected room thermostats (e. g. Alpha-Thermostats) demands heating, the pump switches off automatically. The follow-up time can be selected by means of a jumper (0; 5; 10; 15 minutes). If there is no switching signal for a time of more than 24 hours, the Pump-DoubleModule performs an interval switching once a day for five minutes in order to avoid pump seizing. This interval switching is carried out only at the pump output. The Pump-DoubleModule is provided with a 2-minute switch-on delay.

The screwless and colour-coded connection technique (spring/clamp terminals) 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 Pump-DoubleModule.

Further optionally available modules can be connected to the Pump-DoubleModule, using the integrated interface.

Features

- 2-minute switch-on delay
- Follow-up time optionally selectable
- Pump protection by interval switching
- Functional design
- Modular plug-in installation
- Spring/clamp terminal connection technique
- Second connection for electric consumer

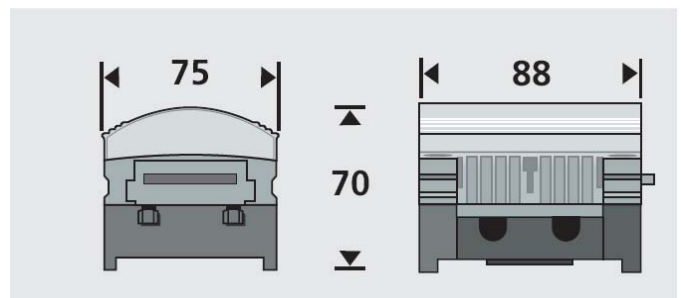
Technical data

Type	AB PD 2000 / AB PD 4000
Operating voltage	230 V AC / 24 V AC
Switching voltage / switching current	24 V AC/DC , 230 V AC, 5 A
Dimensions (mm) H / W / L	70 / 75 / 88
Weight	210 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

¹⁾ not condensing

²⁾ We recommend 3-wire lines (3 x 1.5 mm² NYM) for the electric connection.

Interval switching once every 24 hours for pump protection purposes.



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