

Submittal Data Information

Roth Alpha Switching Module

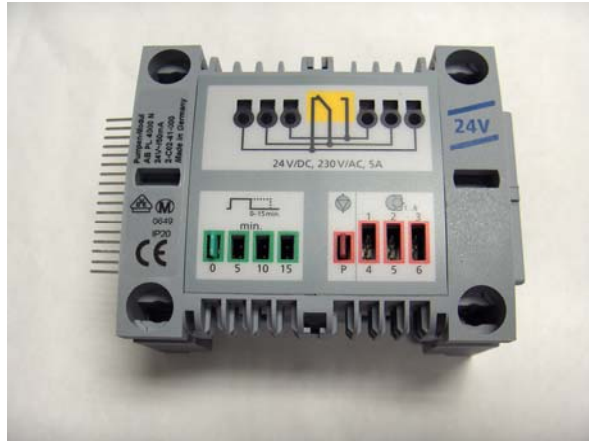


Effective: August 2007

Supersedes:

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

ITEM PART NO.	ITEM DESCRIPTION	MANUFACTURER
#2340077776	Alpha Switching Module	Roth



Application & function

In connection with the Alpha-Basis, the potential-free relay contact of the PumpModule allows a heating pump of other electrical consumers to be switched on and off.

The PumpModule 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 PumpModule performs an interval switching once a day for five minutes in order to avoid pump seizing.

The pump or the other electric consumers can be controlled either by an individually defined thermostat, or by all thermostats.

The screwless and colour-coded connection technique (spring/clamp terminal connections) 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 PumpModule.

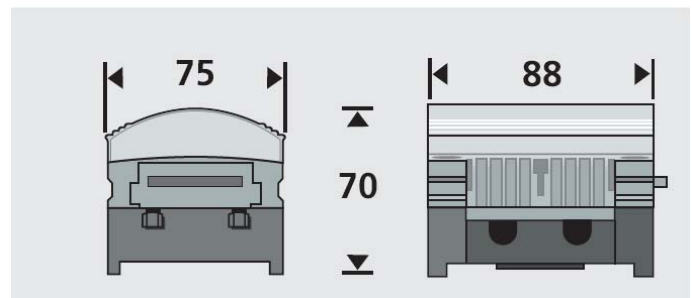
Further optionally available modules can be connected to the PumpModule, using the integrated interface.

Features

- Individual assignment of the Alpha-Thermostat
- Follow-up time optionally selectable
- Pump protection by interval switching
- Functional design
- Modular plug-in installation
- Spring/clamp terminal connection

Technical Data

Typ	AB PL 2000 / AB PL 4000
Operating voltage	230 V AC / 24 V AC
Switching voltage / switching current	24 V 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 mm ² NYM) for the electric connection.	
Interval switching once every 24 hours for pump protection purposes.	



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