Thermakos Control System

Advanced control management for hot water circulation

The Thermakos Control System provides advanced control management for Allied Pumps Hot Water Circulation Systems. Smart technology delivers precise temperature control and monitoring across every circulation pump application, with auto and manual operation, alternating pump control, and temperature or timer based operation configurable to suit the installation.



Everything the operator needs sits on one panel. Loop temperature, pump status and faults are shown on the digital display, with auto and manual selection, alternating pump control and a programmable seven day timer. An RS485 interface allows the controller to report to a building management system where remote monitoring is required.

KEY FEATURES

- Auto and Manual Operation
- Alternating Pump Control With Separate Circuit Protection
- Temperature or Timer Based Control
- Digital Temperature Readout
- Pump and Temperature Alarm Output
- Programmable 7 Day, 24 Hour Cycle Timer
- Pump Current Monitoring
- Building Management System Interface
- Plug In Socket for Each Pump

PRODUCT SPECIFICATION

Parameter	Values (Model D1378)
Mains Input Voltage Range	190 Vac - 260 Vac
Pump Power Rating	840W
Internal Fuse Rating	3.15A (semi delay)
Pump Current Threshold	40mA
Temperature Sensor	NTC thermistor
Temperature Sender Cable Length	0.9m
External Interface	RS485
Pumps Connected	1 or 2
Temperature Range	40°C - 99.5°C
Dead Band Hysteresis	1°C - 20°C
Pump Fault Delay (Programmable)	1 minute - 120 minutes
Operating Time	3 start times per day, 7 days
Operating Duration	24 hours
Display Resolution	0.5° - 1°
External Connection	Volt free with long life battery
External Connection Battery	5 years - 10 years
Unit Dimensions	D85 x W170 x H145mm

INSTALLATION AND MAINTENANCE

A plug in socket for each pump and separate circuit protection simplify both installation and later servicing. Each pump can be isolated without disturbing the other, and the controller mounts and connects without specialist tools.

VOLT FREE CONTACTS

Five volt free contacts allow the controller to report status directly to a building management system or remote monitoring equipment.

- Pump Fail
- Fault Present
- Pump Running
- Power On
- Temperature Fault

