



Submittal Data Information

AC1-CONT Solar Controller

#SS-7.1-2

Effective: July 25, 2010

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

Part Codes

AC1-CONT comprises:

- 1 x AC1-CONT
- 2 x AC1-SEN-TANK
- 1 x AC1-SEN-COLL
- 1 x 1GB SD card
- 1 x SD card reader
- 1 x Mounting hardware kit

Applications

The Apricus AC1-CONT solar controller is a robust and intuitive differential solar controller with a simple, easy to use interface and SD card programmability.

Features

- Large graphical display with backlight
- Easy to use interface
- SD card programmability
- Data acquisition via SD card
- Graphical display of temperature, energy, pump operation, etc..
- Five system configurations with extra functions
- Up to 5 temperature sensors (PT1000 type)
- 2 Pump outputs
- 2 Analog Grundfos sensor inputs (Flow & Pressure)
- Impulse flow meter input (for energy measurement)
- Pump exercise function
- Multiple Language Support

Technical Features

Ambient operational range:	32°F - 122°F
Electrical Protection:	IP20
Insulation Category:	II
Pollution Degree:	2
Fuse:	5A 12VAC
Power Supply:	120VAC +/- 10% 60Hz

Outputs:

P1 (Main Pump):	Triac 1.0A 120 VAC
P2 (Pump, Booster Pump, Valve):	Triac 1.0A 120 VAC :
P3(Additional):	Relay 2A 120VAC
PWM Control:	0-10V

Inputs:

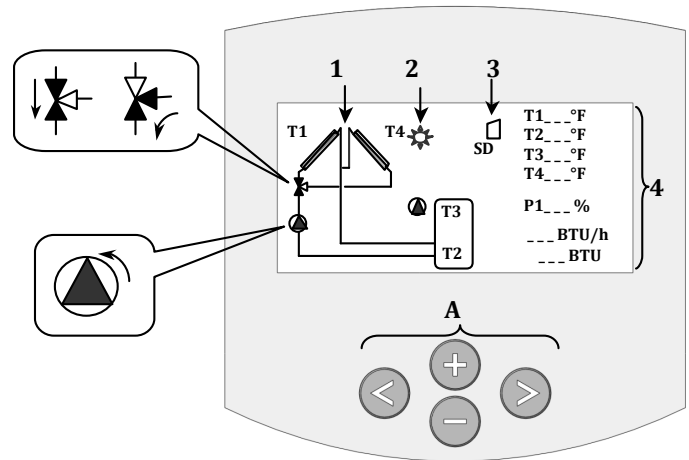
T1 (collector):	PT1000
T2 (tank 1):	PT1000
T3 (extra Sensor):	PT1000
T4 (extra Sensor):	PT1000
T5 (collector return):	PT1000
T6 (Flow Meter):	Impulse type (low voltage 5v)
GDS1 (Grundfos Flow Meter):	Analog Type (Grundfos VFS)
GDS2 (Grundfos Pressure sensor):	Analog Type (Grundfos VFS)

Certifications

UL/CSA: 60730-1



Graphical Display



Included Components



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