



SUBMITTAL DATA INFORMATION

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



SUN EQUINOX ADVANCED CONTROLLER

TECHNICAL FEATURES

Ambient temperature range for normal operation 32°F – 122°F

| | |
|-----------------------|------|
| Electrical Protection | IP20 |
| Installation Category | II |
| Pollution Degree | 2 |

| | |
|---|---------------------|
| Fuse | 5A 120Vac (5x20mm) |
| Power supply | 120Vac +/- 10% 60Hz |
| Maximum Power Consumption (with all outputs activated) | 4.2A (~504W) |

Outputs:

P1 (Main pump with standard or PWM speed regulation): Triac 1.8A* 120VAC.

P2 (Pump with standard or PWM speed regulation, Booster pump, valve): Relay 2A 120VAC

NOTE: Combined output of P1 and P2 not to exceed 3A. Triac 1.8A 120VACP3 (Extra, Additional heat, cooling...)

Inputs:

| | |
|---------------------------------------|-------------------------------|
| T1 (Collector1): | PT 1000 type |
| T2 (Tank1): | PT 1000 type |
| T3 (Extra sensor): | PT 1000 type |
| T4 (Extra sensor, Tank2, Collector2): | PT 1000 type |
| T5 (Collector supply): | PT 1000 type |
| T6 (Flow meter): | Impulse type (low voltage 5V) |
| GDS1 (Grundfos Flow meter): | Analog type (Grundfos VFS) |
| GDS2 (Grundfos Pressure sensor): | Analog type (Grundfos VPS) |

Sensors delivered:

| | |
|--------------------|---------------------|
| 1 Collector sensor | PT1000 (1.5M 356°F) |
| 1 Tank | PT1000 (3M 221°F) |
| 1 Extra | PT1000 (3M 221°F) |

Software Version: Displayed during the start-up
Version xxxxxx

CERTIFICATIONS

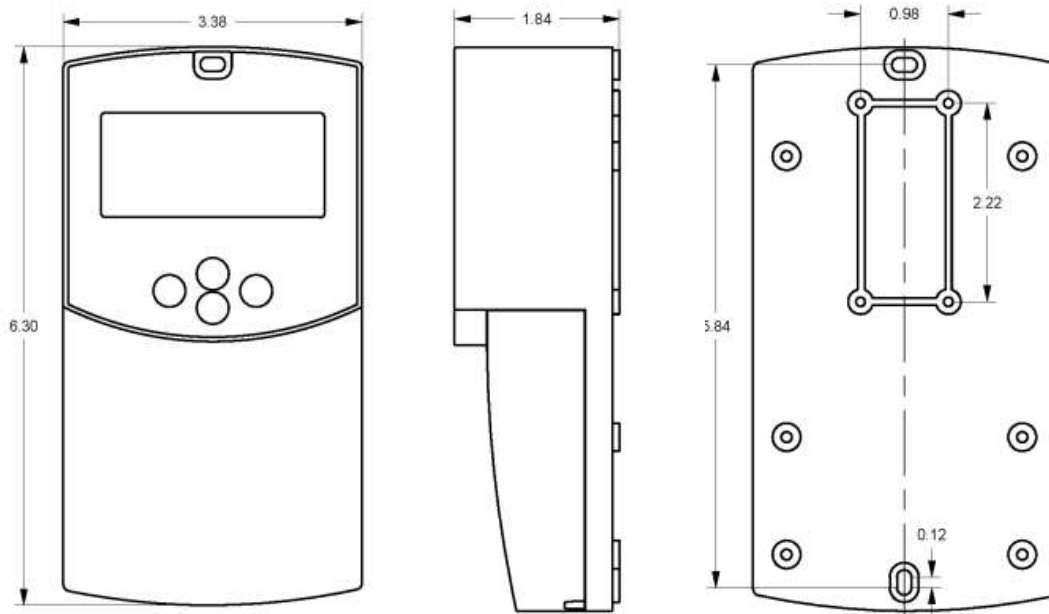
UL/CSA 60730-1



FEATURES

- Large graphic display with backlight
- Easy to use interface (4 keys with scroll menu)
- Several languages available
- System set-up/configuration option using SD card
- Record and view system data (Energy, pump operation etc.) with SD card interface
- Graphic view for temperature, energy etc.
- 8 system configurations with several extra functions possible
- 5 Temperature sensors (PT1000 type)
- 2 Pump outputs (Standard or variable speed)
- 2 Analog Grundfos sensor inputs (Flow and Pressure)
- 1 Impulse flow meter input (for energy measurement)
- Pump exercise function
- 1 Extra output (to control back-up heat, heat dump...)
- Automatic, Off or Manual Test mode
- Monitors system for errors (short or open circuits to sensors, pump failure)
- Choice of collector sensor location (external or internal to collector)
- Collector protection (Freeze, Over heat, and Anti-stagnation)
- Permanent memory storage
- Made in France

DIMENSIONS



WIRING SCHEMATIC

