Notes

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we help you monitor:

solar electric   solar hot water   solar pool heating

for more information go to:
www.sunreports.com

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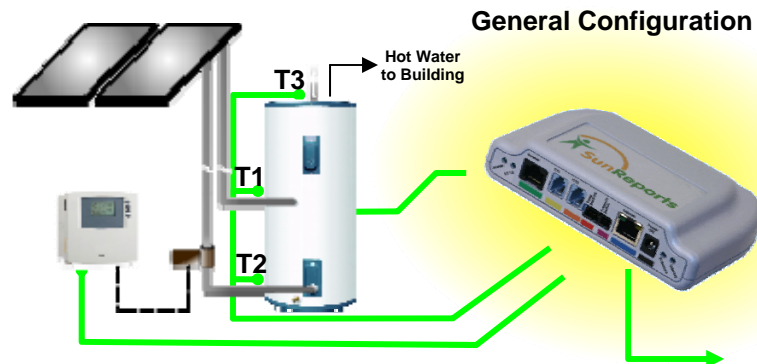
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Apollo1
Quick Start Guide

Solar Thermal Systems

For detailed instructions, see the
Apollo Installation Manual from www.sunreports.com

General Configuration

Hot Water
to Building

T3

T1

T2

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1 Add one serial number sticker from the box to the Configuration Sheet

One sticker may be left with the end user for their records

⚠ **IMPORTANT:** The serial number entered into the on-line system MUST match the number on the unit. This is what allows for the mapping, identification and environmental information

6C5CDE00000   6C5CDE000000

SunReports™   Apollo1   www.sunreports.com

2 Find a suitable location to mount and install the Apollo unit.

    Note: Ensure the cables and power supply will reach their destinations

    Note: The mounting template is included on the Configuration Sheet

3 Connect the cables to the Apollo unit by simply matching the color coding.

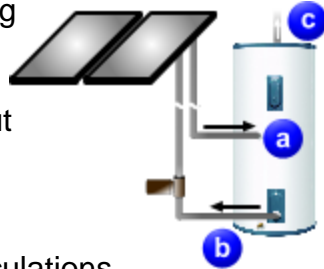   **Note:** The following are optional:
- CT2 cable (orange)
- The Pressure Switch Cable (violet)

    The following is not needed:
- Inverter Cable (green)

4 Connect the temperature sensors using the provided zip-ties:

    a) T1 to the Heat Exchange Input
    b) T2 to the Heat Exchange Output
    c) T3 to the Hot Water Output

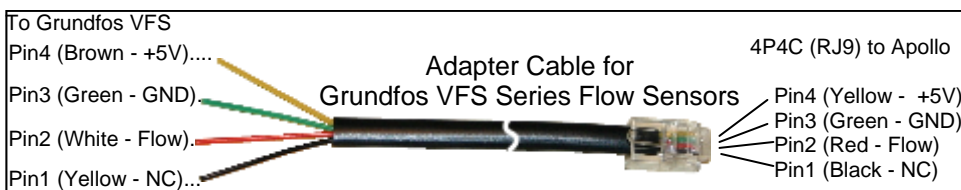**5** The CT1 input is required for BTU calculations. There are two options:

1. Current Transformer (detect pump On/Off): Connect CT1 to ONE of the AC pump leads at the controller box.
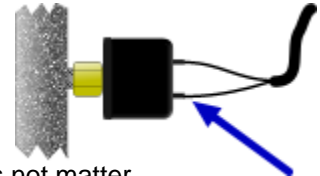
    DANGER: Ensure power is disconnected to the circuit before connecting the CT

    IMPORTANT: Ensure only ONE side of the AC power is routed through the CT

2. Flow Sensor (Grundfos VFS Series): Connect CT1 to the flow sensor using the adapter cable.

To Grundfos VFS	Adapter Cable for Grundfos VFS Series Flow Sensors	4P4C (RJ9) to Apollo
Pin4 (Brown - +5V)....		Pin4 (Yellow - +5V)
Pin3 (Green - GND)....		Pin3 (Green - GND)
Pin2 (White - Flow)....		Pin2 (Red - Flow)
Pin1 (Yellow - NC)...		Pin1 (Black - NC)

6 *Optional:* Connect CT2 to the electric reheat coil.

    DANGER: Ensure power is disconnected to the circuit before connecting the CT

    IMPORTANT: Ensure only ONE side of the AC power is routed through the CT

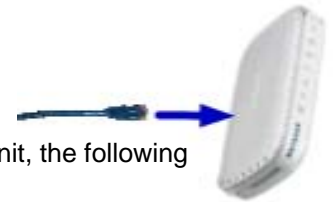**7** *Optional:* Connect the Pressure Switch cable to the system's pressure switch

    Note: The polarity of the connections does not matter
Pressure switch sold separately

8 Connect the Blue CAT5 Internet cable to a router with an 'always on' Internet connection
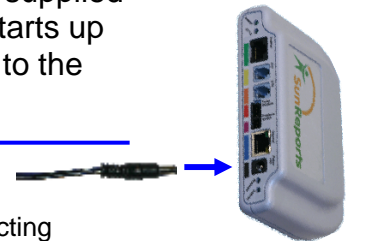
    Note:
If the router is located far from the Apollo unit, the following options can be used:
- PLC Bridge (uses the AC wiring in the home to connect) Available from SunReports
- Longer CAT5E patch cable (up to 300ft)

9 Connect power to the unit using the supplied AC/DC Adapter. Verify the Apollo starts up correctly and successfully connects to the SunReports Server

    Startup Routine:
- All Lights come on for a moment
- The 'Internet' light flashes while connecting
- The 'Internet' light turns solid on when connected

10 Record the customer information and sensor label names on the included Configuration Sheet

    IMPORTANT: This information will be needed to properly set up the unit on www.sunreports.com