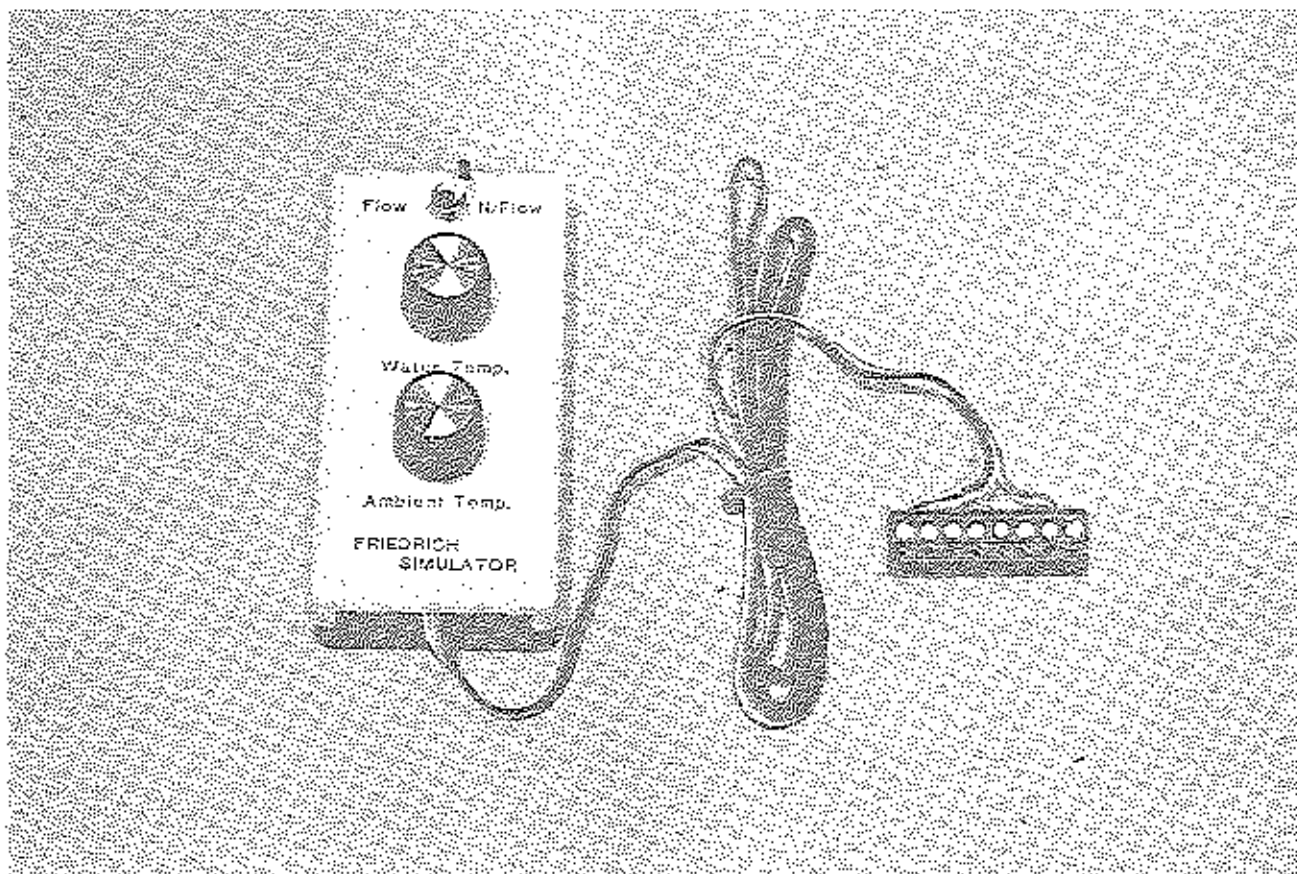


# PRODUCT INFORMATION

(Programmable System Control Panel)

## PSCP SIMULATOR



The Friedrich Climate Master Programmable System Control Panel (PSCP) Simulator allows the operation of the PSCP to be easily observed to allow for demonstration, verification and troubleshooting of the PSCP.

The PSCP controls the loop temperature by controlling heat addition and rejection equipment in closed loop water source heat pump systems. The Simulator replaces the Water Temperature Sensor, Ambient Temperature Sensor and Flow Switch. By allowing the operator to simulate any set of conditions, the Simulator allows all operations of the PSCP to be tested. The Simulator can be used to verify the control setpoints programmed into the PSCP, the wiring between the PSCP and the controlled devices, the alarm and warning functions of the panel, etc.

The PSCP Simulator is a small 2"x2"x4" handheld box that quickly and easily plugs into the PSCP - no wiring is required. The Simulator receives its power from the PSCP and does not require an additional power supply.

Continuing engineering research  
results in steady improvements.  
Therefore, these specifications are  
subject to change without notice.

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**Friedrich**  
Climate Master

## PSCP SIMULATOR SPECIFICATIONS

### MECHANICAL:

Dimensions: 2"W x 4"L x 1"H with 42 inch cable.  
Weight: 2 lbs.

### ENVIRONMENTAL:

Operating Temperature: 35F to 100F (2C to 28C)  
Storage Temperature: 10F to 150F (-12C to 65C)  
Humidity: 20% to 80% R.H., non-condensing

### ELECTRICAL:

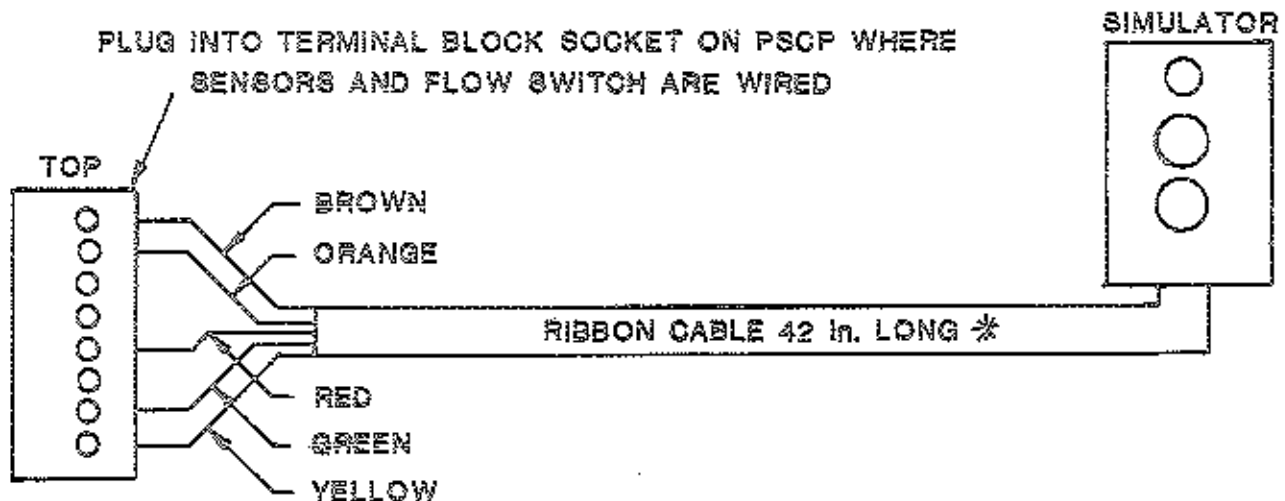
Powered by PSCP  
Wired to 8 Terminal Connector that plugs directly into a socket on the PSCP

### SIMULATES:

Water Temperature: 0F to 175F  
Ambient Temperature: 0F to 175F  
Water Flow: Flow or No Flow

PART NUMBER: PSCP 5000-470

### WIRING



PLUG IN TERMINAL BLOCK \*

**Frederich**  
Climate Master

\* SUPPLIED PRE-WIRED WITH SIMULATOR

F 3007

# BASIC PRODUCT INFORMATION

## PSCP SERIES

### PROGRAMMABLE SYSTEM CONTROL PANEL

PSCP-6 / PSCP-12

#### BASIC PRODUCT INFORMATION

- 1) Separate temperature and time displays.
  - 2) Software time-keeping, even during power outages.
  - 3) Battery backup ( 12 hours ).
  - 4) Programmable time of day.
  - 5) Programmable times - water pumps on or off for energy savings.
  - 6) Programmable ambient temperature override for water pump off time.
  - 7) Six ( 12 available ) programmable outputs independently programmed for hysteresis.
  - 8) Programmable temperature range is 0 to 125 degree F.
  - 9) Audible alarm factory mounted in cabinet.
  - 10) Extra set of contacts available for remote alarm.
  - 11) Plug-in relays for ease of repair.
  - 12) Control boards interchangeable for ease of service.
  - 13) All outside wiring requires only the stripping of insulation.
  - 14) A duplicate remote indicator panel available.
- 

#### PSCP LIST PRICING

PSCP-6  
6 Control Points

3525.00

PSCP-12  
12 Control Points

3950.00

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Printed in U.S.A. 6/83

**Friedrich**  
Climate Master