

tekmar® Submittal

tekmarNet® 4 Setpoint Control 162



Setpoint

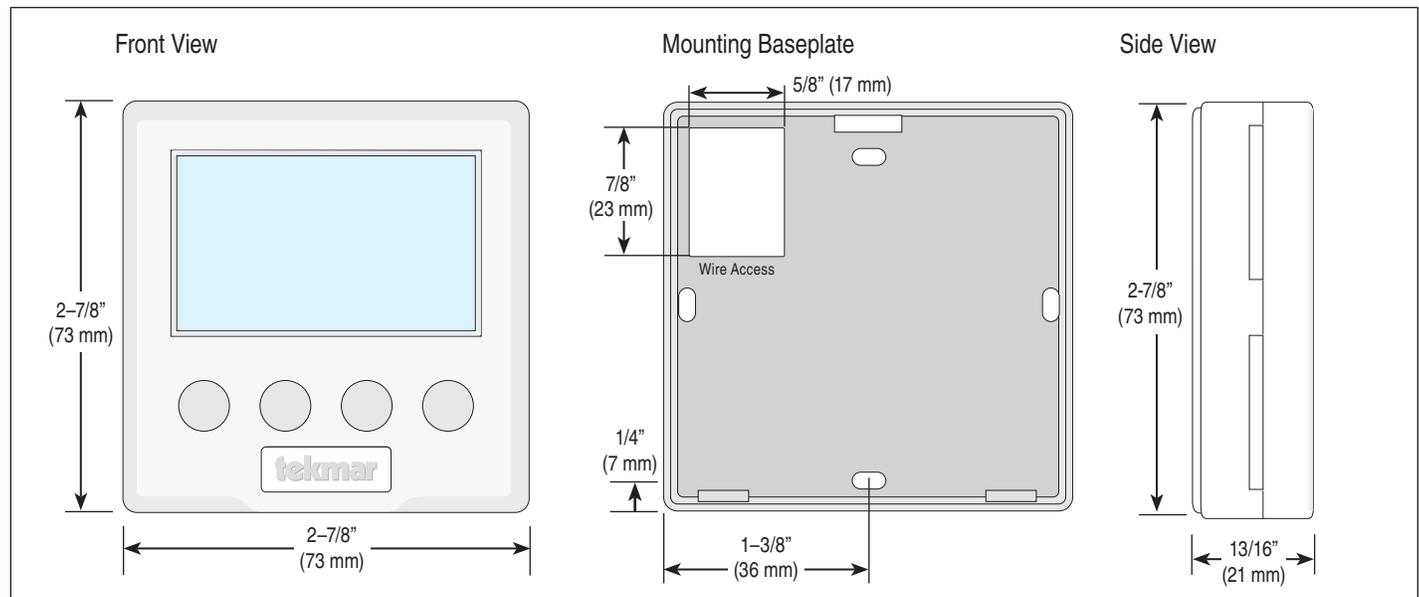
C 162

01/11

Replaces: New

Job _____ Designer Brian Whitehust Contact Pexheat.com

The tekmarNet® 4 One Stage Setpoint Control 162 is designed to operate a single piece of heating or cooling equipment in order to maintain a setpoint temperature. It can be used in applications, including heating a swimming pool, maintaining a chilled water storage tank, and maintaining a constant slab temperature in a commercial car wash bay. This product regulates a constant water temperature for heating or cooling using 6 preset modes (setpoint on/off, hot tub, DHW, setpoint PWM, floor, pool). It has 2 relays (rated at 24 V, 2 A) and uses relay #1 to control the heating/cooling device, while the secondary relay can be used for devices such as a DHW recirculation.



Specifications

tN4 Setpoint Control 162 One Stage Heat / Cool	
Literature	D162, W162, J162, U162, D070
Control	Microprocessor control. This is not a safety (limit) control
Packaged weight	0.5 lb (230 g)
Dimensions	2-7/8" H x 2-7/8" W x 13/16" D (73 x 73 x 21 mm)
Enclosure	White PVC plastic, NEMA type 1
Approvals	CSA C US, meets Class B: ICES & FCC Part 15
Ambient conditions	Indoor use only, 32 to 122°F (0 to 50°C), RH ≤92% to 104°F (40°C), and 50% above 104°F (40°C), Altitude <9840 ft. (3000 m), Pollution Degree 2
Power supply	24 V (ac) ± 10%, 50/60 Hz, 3.2 VA, NEC / CEC Class 2
Relays	24 V (ac) 2 A
Sensors	NTC thermistor, 10 kΩ @ 77°F (25°C ±0.2°C) β=3892
–Included	Universal Sensor 071
–Optional	tekmar type #070, 071, 072, 073, 076, 077, 078, 079, 082, 083, 084
Warranty	Limited 3 Year (See D162 for full warranty)

Features

- tekmarNet® 4 and tekmarNet® 2 compatible
- On / Off differential
- Pulse Width Modulation
- System pump control
- Hot tub operation
- DHW tank operation
- Floor operation
- Pool operation
- Exercising
- Scenes supported
- Temperature sensor input
- Programmable Setback Schedule
- One stage heat or cool
- 5 different levels of priority
- WWSD (if connected to tekmarNet® network with outdoor sensor)
- CWSD (if connected to tekmarNet® network with outdoor sensor)

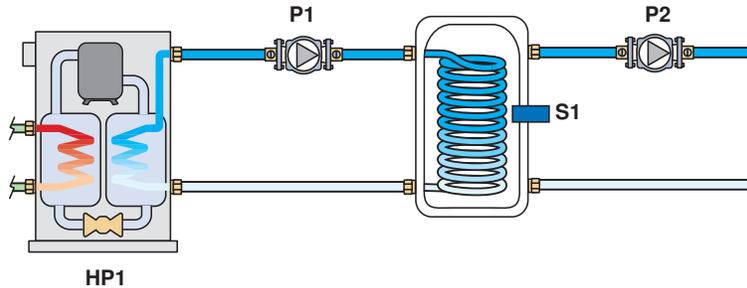
SPECIAL REQUIREMENTS

Designed to be used with a tekmarNet® Wiring Center or Zone Manager for power and communication. It can be used in stand alone applications also.

Sample Application Drawing

Below is a sample application drawing for this product. This application may include other tekmar products that are required for installation. More sample applications can be found at www.tekmarcontrols.com.

Sample Mechanical diagram



Sample Electrical diagram

Legend:

- HP1 = Heat Pump
- P1 = Storage Tank Pump
(Controlled by Zone Manager)
- P2 = System Pump
(Controlled by other)
- S1 = Universal Sensor

