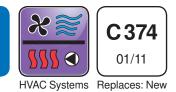
# tekmar<sup>®</sup> Submittal **Universal Reset Control 374**

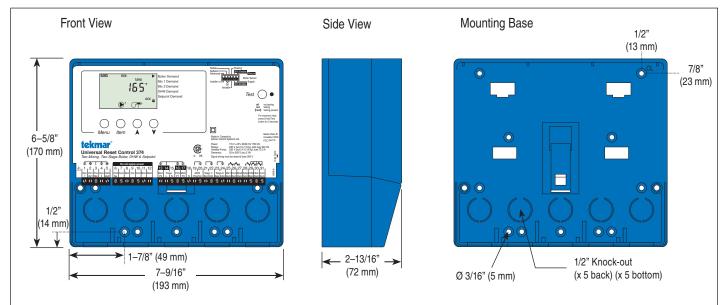


Job

Designer

Contact

The Universal Reset Control 374 is designed to operate all of the mechanical equipment in a residential hydronic heating system. It can be used in applications ranging from a single zone of baseboard with an on/off boiler to multiple fan coils, low temperature staple up zones, low temperature in-slab radiant zones, domestic hot water, and 2 on/off boilers. It regulates up to three space heating water temperatures through Outdoor Reset. It is capable of controlling up to 2 on/off boilers, up to 2 mixing devices (either variable speed pumps or floating action mixing valves), and Domestic Hot Water or setpoint loads.



### Specifications

Universal Reset Control 374 Two Mixing, Two Stage Boiler, DHW & Setpoint	
Literature	D374, A374, D070, D001
Control	Microprocessor control. This is not a safety (limit) control
Packaged weight	3.5 lb. (1600 g)
Dimensions	6-5/8" H x 7-9/16" W x 2-13/16" D (170 x 193 x 72 mm)
Enclosure	Blue 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 ≤90% Non- condensing, Altitude <6560 ft. (2000 m), Installation Category II, Pollution Degree 2
Power supply	115 V (ac) ±10%, 50/60 Hz, 1750 VA
Relays	230 V (ac) 5 A, 1/3 hp, pilot duty 240 VA
Variable Pump	230 V (ac) 2.4A 1/6 hp, fuse T2.5 A 250 V
Demands	20 to 260 V (ac) 2 VA
Sensors	NTC thermistor, 10 kΩ @ 77°F (25°C ±0.2°C) β=3892
-Included	Outdoor Sensor 070 and 3 of Universal Sensor 082
-Optional	tekmar type #: 033
Warranty	Limited 3 Year (See D374 for full warranty)

### SPECIAL REQUIREMENTS N/A

### **Energy Saving Features**

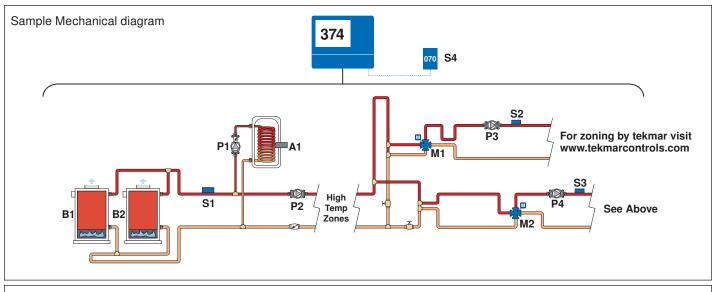
- Outdoor Temperature Reset
- Indoor Temperature Feedback (optional with indoor sensor)
- · Warm Weather Shut Down
- Boiler Control
- · Automatic Boiler Differential
- · Setback input for energy savings

### **Additional Features**

- 3 outdoor reset controlled water temperatures
- Control up to 2 On/Off boilers
- Boiler equal run time rotation
- 2 X variable speed pump control or 2 X floating action mixing control
- · Quick setup for easy installation
- User comfort adjustment to increase or decrease building space temperature
- · Advanced settings to fine-tune building requirements
- · Powered boiler system and mixing system pump outputs
- Equipment Exercising
- DHW pump or valve operation
- Optional DHW priority
- · Test sequence to ensure proper operation
- 120 V (ac) power supply
- · CSA C US certified (approved to applicable UL standards)

## **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 Electrical diagram

