

tekmar® Submittal

Mixing Control 362



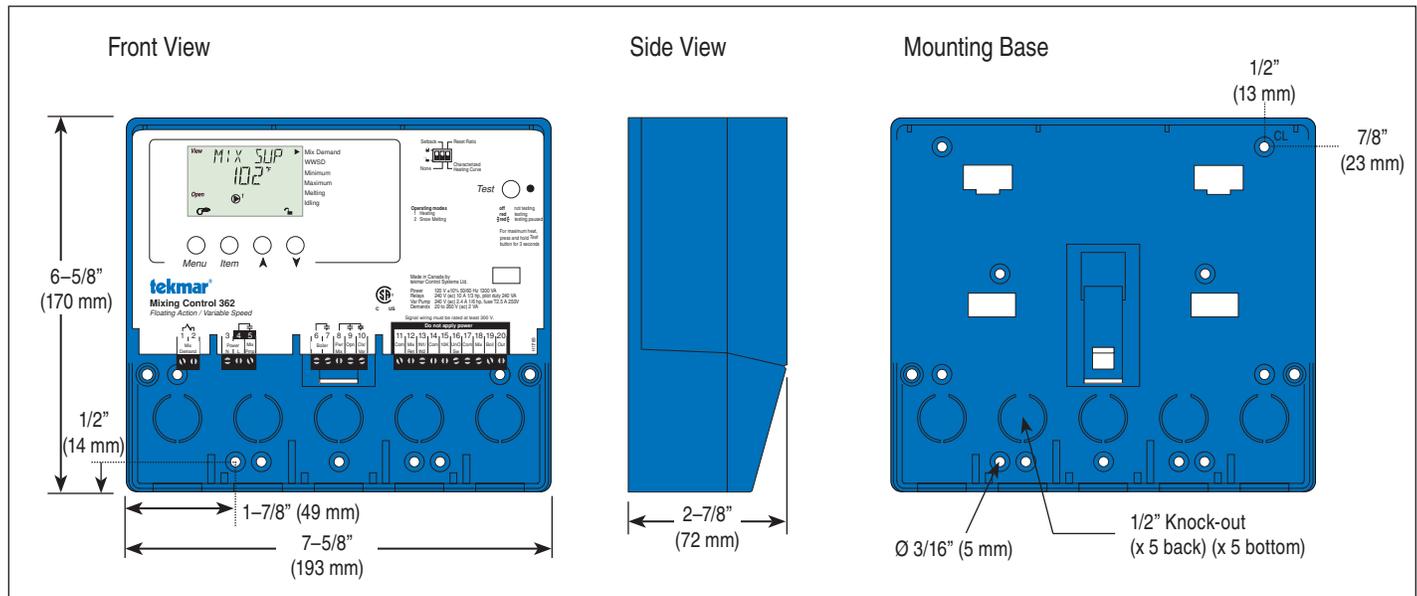
C362

01/11

HVAC Systems Replaces: New

Job _____ Designer _____ Contact _____

The Mixing Control 362 is designed to operate either a mixing pump, or mixing valve using Outdoor Temperature Reset. It can be used in applications ranging from in-floor radiant, commercial baseboard systems for boiler protection with full reset, or snowmelt applications to control the slab temperature. This control regulates a single heating water temperature through Outdoor Temperature Reset, or snowmelt operation. It provides mixing by speeding up or slowing down a single permanent capacitor (standard wet rotor) circulator, or by controlling a floating action actuator. It can also provide control of the mix system pump.



Specifications

Mixing Control 362 Floating Action / Variable Speed	
Literature	D362, A362, U362, D001, D070
Control	Microprocessor control. This is not a safety (limit) control
Packaged weight	3.7 lb. (1690 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, 36 to 104°F (2 to 40°C), RH ≤80% to 88°F (31°C), down to 50% above 104°F (40°C), Altitude <6560 ft. (2000 m), Installation Category II, Pollution Degree 2
Power supply	115 V ±10%, 60 Hz, 900 VA
Relays	230 V (ac) 7.5 A 1/3 hp, pilot duty 240 VA
Var. Pump	230 V (ac) 2.4 A 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 2 of Universal Sensor 071
–Optional	tekmar type #: 033, 040, 063, 071, 072, 073, 076, 077, 082, 084, 092
Warranty	Limited 3 Year (See D362 for full warranty)

Energy Saving Features

- Outdoor Temperature Reset
- Indoor Temperature Feedback (with optional indoor sensor)
- Warm Weather Shut Down
- Automatic Boiler Differential

Additional Features

- Variable speed pump control OR floating action mixing control
- Snow melting control (Mode 2)
- Quick setup for easy installation and programming of control
- User comfort adjustment to increase or decrease building space temperature
- Advanced settings to fine-tune building requirements
- Powered mixing system pump output
- Optional indoor sensor for room air temperature control
- Test sequence to ensure proper component operation
- Setback input for energy savings
- 120 V (ac) power supply
- CSA C US certified (approved to applicable UL standards)

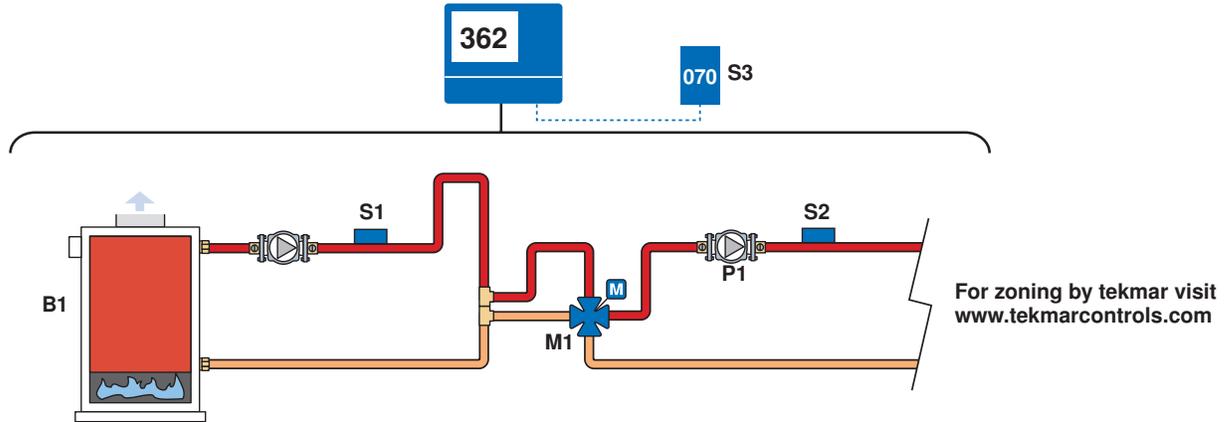
SPECIAL REQUIREMENTS

N / A

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.

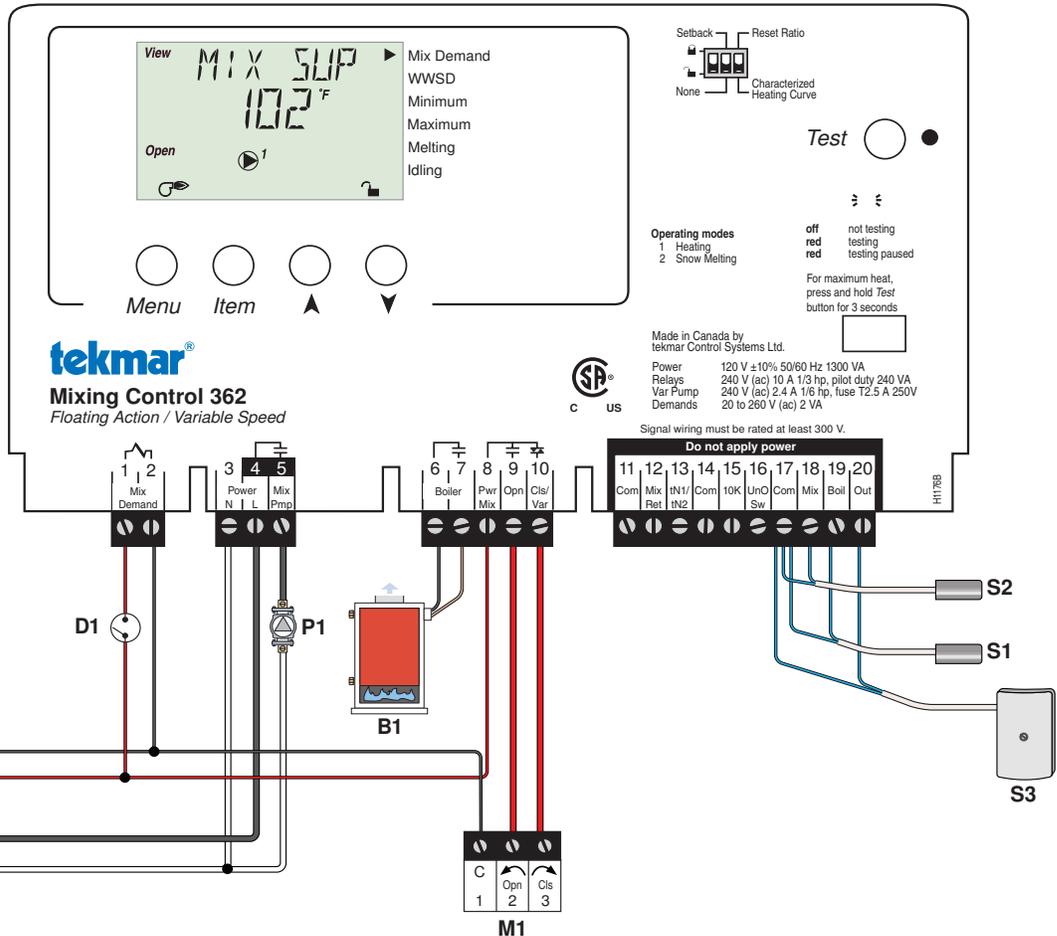
Sample Mechanical diagram



Sample Electrical diagram

Legend

- P1 = Mix System Pump
- S1 = Mix Supply Sensor 071
- S2 = Boiler Supply Sensor 071
- S3 = Outdoor Sensor 070
- B1 = Boiler 1
- D1 = Mixing Demand (From thermostat or end switch)
- M1 = Actuating Motor



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