

CONCRETE TEMPERATURE CONTROL



CONTROL MIX WATER EXACTLY

The Electronic Dial-A-Matic Temperature Control System is a unique upgrade of our time proven pneumatic model. The averaging probes are installed in the overhead bins giving a true average temperature of the aggregates in the next batch. This average is compared to the operator selected concrete request temperature. The resulting signal automatically sets the needed water temperature to produce the requested concrete temperature. The temperature control then automatically sets a blending valve to produce the needed water. A down stream thermocouple then feeds back the produced water temperature to continuously adjust the blending valve. This system allows you to produce any temperature concrete within your heating capacity. This unique system allows you to heat your water as hot as possible and reduce energy costs as your hot water is only used as needed to heat the concrete. Includes : control, 2 averaging RTD's, thermocouple, air pressure transducer, and all cables.



**Concrete
Controls
Corporation**

1311 N Congress Drive Chandler AZ 85226
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SPECIFICATIONS: CONTROLLER

ACCURACY:
 RTD (AGGREGATE) 0.050% FULL SCALE
 J THERMOCOUPLE (WATER) 0.060% SPAN

RANGE: INPUTS
 RTD -328 TO 1562 DEG. F
 J THERMOCOUPLE -346 TO 1832 DEG. F

UPDATE RATE:
 INPUTS- 10 TIMES PER SECOND
 DISPLAYS- 5 TIMES PER SECOND

DISPLAYS: VACUUM FLUORESCENT BLUE-GREEN
 1ST DISPLAY PROCESS VARIABLE 0.6 INCHES
 2ND DISPLAY SET POINTS 0.25 INCHES
 3RD DISPLAY SPECIAL MESSAGE 0.25 INCHES

POWER CONSUMPTION:
 15VA @ 120VAC 60 Hz EACH CONTROL (2)

AMBIENT TEMPERATURE:
 OPERATIVE LIMITS: 32 TO 122 DEG. F
 HUMIDITY: 10-90% NON-CONDENSING

VOLTAGE & FERQUENCY:
 POWER SUPPLY 90-250VAC 48-62Hz

MEMORY RETENTION:
 LITHIUM BATTERY: LIFE APPROX 10YEARS

ENCLOSURE:
 NEMA 12 CONTINUOUS HINGE LOCKING

CABLES:
 PREWIRED TO CUSTOMER SPEC LENGTHS

WARRANTY:
 3 YEARS PARTS & LABOR

SHIPPING WEIGHT:
 24 LBS

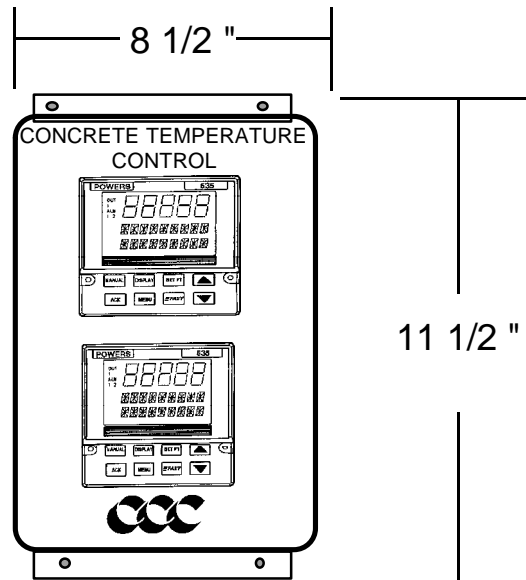
SPECIFICATIONS I/P TRANSDUCER: ONE PER VALVE

INPUT:
 4-20 mA DC

ELECTRICAL CONNECTIONS:
 SCREW TERMINALS UNDER CAP

OUTPUT:
 1-17 PSIG

AIR SUPPLY:
 CLEAN DRY AIR 32-100 PSIG 1/4" NPT



- Displays exact temperatures and setpoints continuously
- Saves Hot Water for when it is needed
- Adjusts on the fly to water and aggregate temperature changes
- Adjusts on the fly to changes in setpoints
- 1/4 second time constant thermocouple for extremely fast operation
- 8 operator adjustable preselected concrete temperatures available
- 8 operator adjustable preselected water temperatures plus remote setpoint
- Thermostatically controls aggregate heater
- GUARANTEED CONCRETE TEMPERATURE PLUS OR MINUS 2 DEG F**