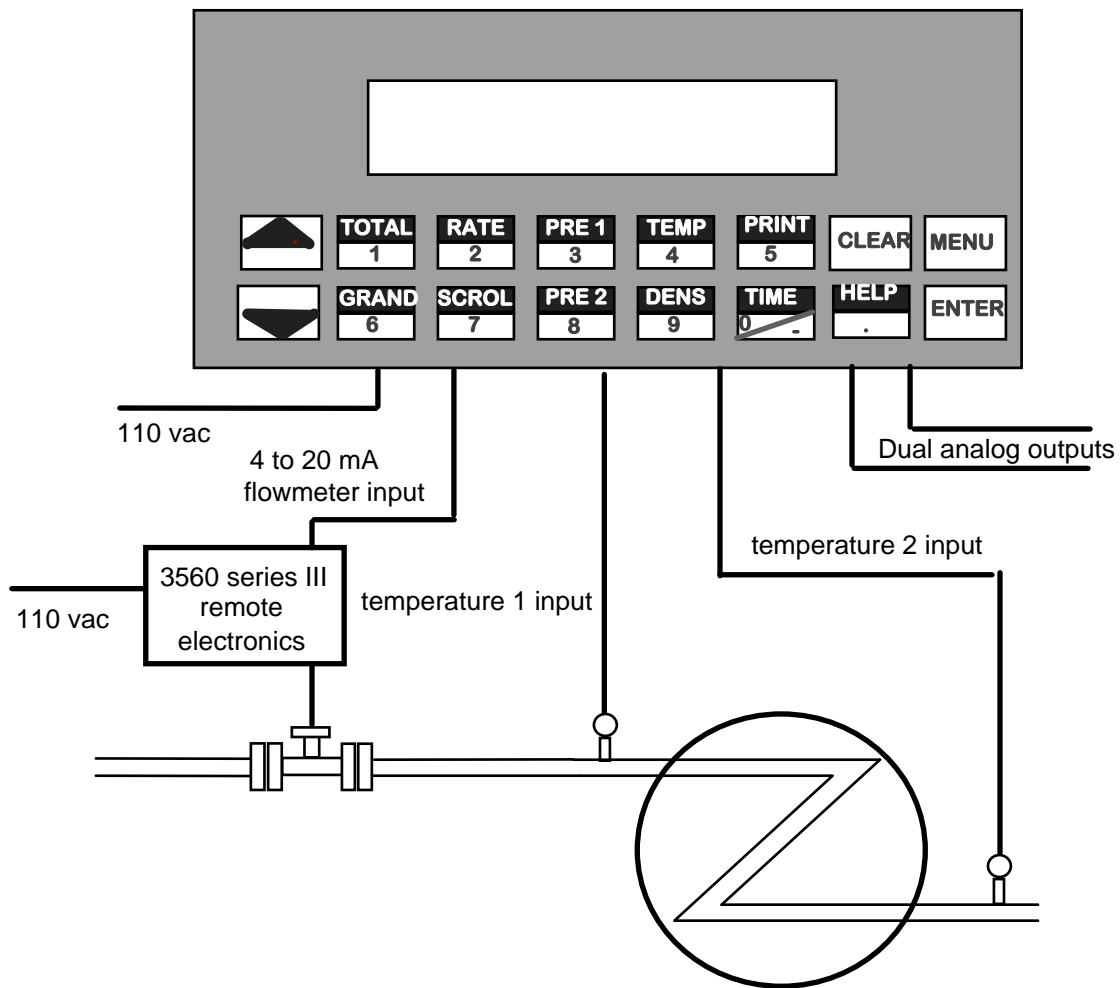# SUPERtrol II Monitoring Heat Flow Across a Heat Exchanger in Conjunction with a Brooks Model 5000 Electromagnetic Flowmeter and Model 3560 Remote Electronics

The SUPERtrol II utilizes two temperature signals and the flowmeter signal, as well as user input data, to compute the heat lost across the heat exchanger.

The SUPERtrol II can provide displays of mass flow, heat flow, mass total, heat total, pressure, temperature, specific volume and specific enthalpy.

Pulse, mA, relay, RS232 and RS485 outputs are provided as well as a 24 vdc 100 mA power supply for powering all process transmitters.

Application Terminal Connections

3560 series III remote electronics			

1	DC OUTPUT		FLOW IN
2	PULSE IN 1	Vin +	
3		Iin +	
4	COMMON		
5	RTD EXCIT +		TEMPERATURE IN
6	RTD SENS +		
7	RTD SENS -	Iin +	
8	DC OUTPUT		
9	RTD EXCIT +		PRESSURE (TEMP 2) IN
10	RTD SENS +		
11	RTD SENS -	Iin +	
12	PULSE OUTPUT +		
13	PULSE OUTPUT -		
14	ANALOG OUTPUT 1 (+)		
15	ANALOG OUTPUT 2 (+)		
16	ANALOG OUTPUT COMMON (-)		
17	NC		
18	COM RLY 1		
19	NO		
20	NC		
21	COM RLY 2		
22	NO		
23	AC LINE	DC +	POWER IN
24	AC LINE	DC -	

TE1

TE2

TR

FR

8

7

110/220 vac 60/50 Hz