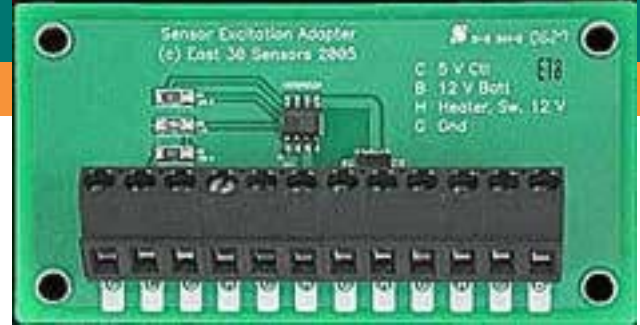


Precision control switch for absolute correct heater time duration.

# East 30 Sensors

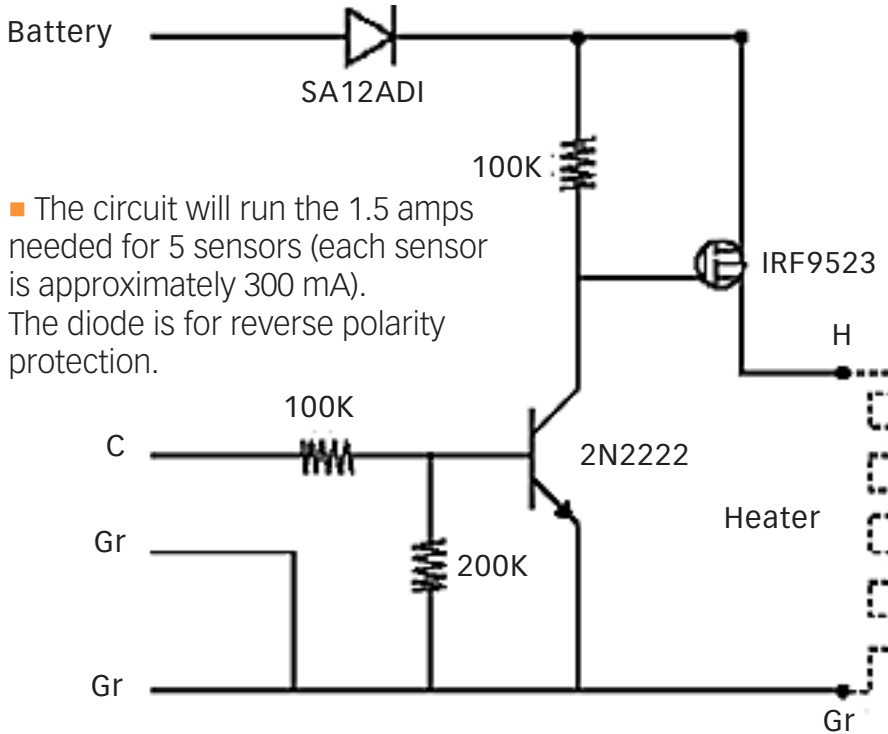
Sensors for biophysical research.

## Five-sensor Heater Control Interface



Required for precise control of sensor heaters in Specific Heat and Sap Flow sensors.

### SCHEMATIC



The circuit will run the 1.5 amps needed for 5 sensors (each sensor is approximately 300 mA). The diode is for reverse polarity protection.

### PARTS LIST

Parts available from Digi-Key.

- 1 SA12ADI diode**
- 2 100K 5% resistor**
- 1 200K 5% resistor**
- 1 IRF9523 HexFET**
- 2N2222A PNP transistor**
- terminal block connector**
- perf board**
- wire**

CAUTION: The transistor and the HEXFET are static sensitive until they are completely soldered into the circuit.



Typical use, connecting to a CSI 21X datalogger. Each board can run up to 5 sensors.

**You can build this circuit yourself or Thermal Logic can supply you a finished and tested board that saves you time and money.**

- We have parts inventory.
- We have experience building the boards.
- The board is guaranteed to work.
- The circuit back is encapsulated with non-conductive epoxy.

# East 30 Sensors

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