



BIG CHIEF Inc.

5150 Big Chief Drive
Cincinnati OH 45227

Temperature Control Questions

1. Ask the size of controller they need
 - 1/16 din = 600 series
 - 1/8 din = 1200 series
 - 1/4 din = 1300 series
2. Ask if their application is
 - Heat only (*Output 2 will be Heat*)
 - Heat & Alarm (*Output 1 will be the Alarm & Output 2 will be Heat*)
 - Heat & Cool (*Output 1 will be the Cooling & Output 2 will be Heat*)
 - Heat, Cool with an Alarm (*Output 1 will be the Alarm, Output 2 will be Heat & Output 3 Cooling*)
3. Then ask what they are controlling or what type of device is controlling the Heat (output 2) and Cooling (output 3) Outputs?
 - Relay = R
 - DC relay or Logic = D
 - Mercury contact = R

Output Descriptions

- | | |
|------------------|--|
| Relay (R) - | Mechanical, will accept both AC & DC device, rated up to 5 amps at 250v. Typically switching 115v AC to a mercury or mechanical relay |
| Logic (D) - | DC or Direct Current. Capacity is 5 to 32 DC, typically used to drive a DC solid state relay |
| Triac (T) - | Solid state relay that will accept only AC device. Similar to a (R)elay but with no mechanical wear. Typically used in fast response applications and for tighter control. |
| Continuous (C) - | Used to control output in a variable input valve or speed input to a motor drive |
| Analog (W) - | Typically used to for re-transmission to a chart recorder or a PLC for data logging |