

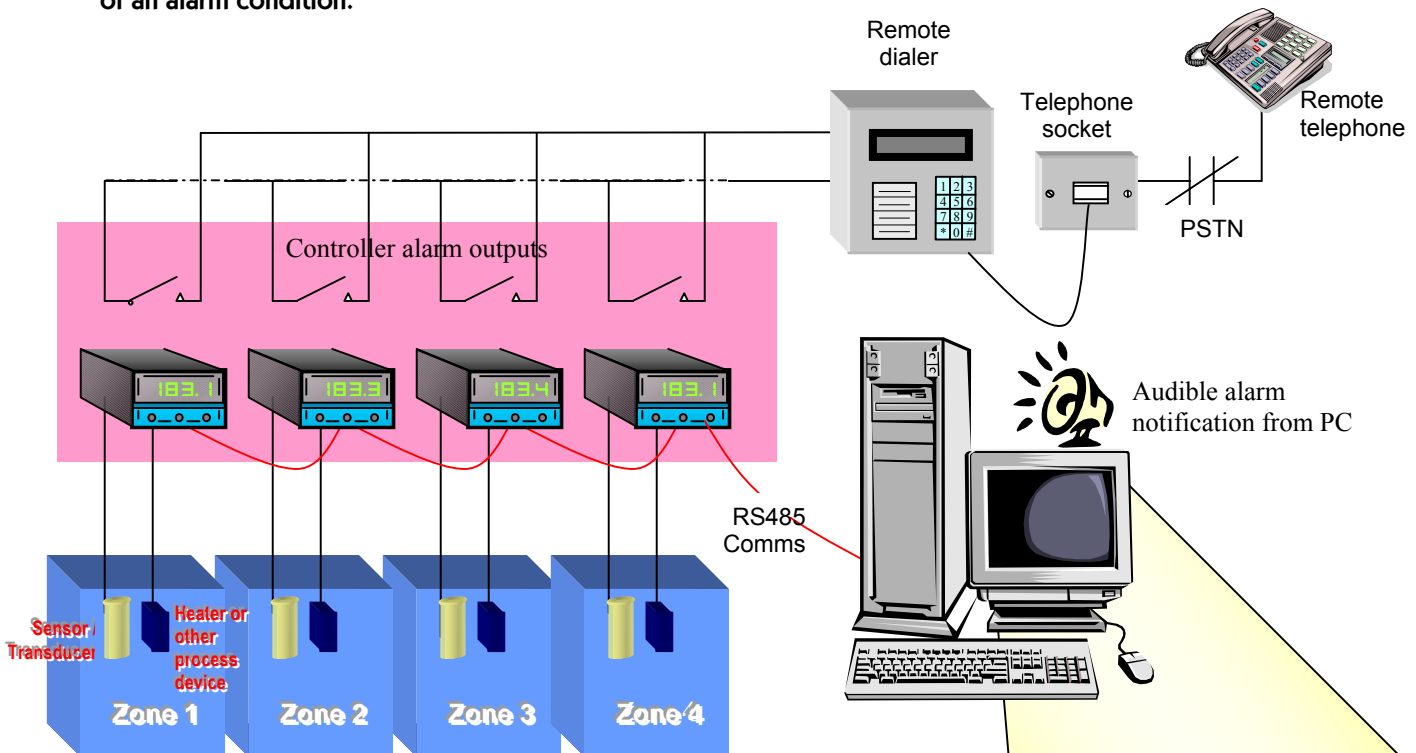
Remote alarms and CALgrafix



Application

Some applications may run overnight when no engineering support is on-site, such as cold storage or oven applications. If minimum or maximum temperature/process variables are exceeded during this period, prompt notification for an engineer on call can be critical to ensure that the problem is rectified as quickly as possible.

The temperature in each of the zones below is controlled by a CAL3300 temperature controller. The controllers are networked via RS485 communication port to CALgrafix, a pc-based monitoring and configuration utility. Each of the controllers also has an output relay configured as an alarm. The relay outputs are in turn wired to provide a signal to a remote dialer unit, which notifies engineers using the P.S.T.N. (Public Switched Telephone Network) of an alarm condition.



The advantage of the system described above is that both local and remote alarm notification can be configured so that an engineer can be informed of an alarm whether he is on or off-site.

CALgrafix alarm features provide centralised alarm notification within the plant. During an alarm condition display priority is given to the alarm notification screen and an audible alarm file launched. Since CALgrafix is an OPC based client it is also possible to display the alarm on a number of PC's via a PC network.

CALgrafix can also provide monitoring features such as logging and charting that can be useful for plant analysis for engineering and/or quality control. Notes can be added to keep a permanent record of alarms. The configuration tools are useful to download controller settings quickly and easily when a controller is replaced helping to reduce downtime.

For more information on CALgrafix or our range of controllers please ask for a brochure.





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