

Re: Remote temp sensing help??

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On Sun, 09 Jan 2005 13:26:41 -0700, Jenny3kids@msn.net wrote:

>Hi people,

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>I live on a small acreage and I have two wells and two pump rooms on
>the property. Winter temps frequently get below freezing so I have to
>keep a small heater in them to prevent pipes freezing overnight.

>

>Currently I use some cheap indoor/outdoor thermometers to monitor the
>temp inside the insulated enclosures but I have to walk to each one to
>check it.

>

>I need some temp senders so I can have a remote station in the house
>and each one can constantly indicate the inside temp so if the heater
>dies I can get down there and fix it. I can have a switch to cycle
>through them manually I do not need a 4-station setup but that would
>be a nice luxury, cost permitting.

>

>There is 110v in all places so batteries are not an issue. Can anyone
>suggest a CHEAP kit I can get? The farthest away sender would be about
>800 feet.

Instead of having a continuous readout of temperature, probably the
cheapest way to go about it would be to have the sensors send you a
signal if the temperature at the sensor sites went below a certain
preset limit. Something like, say, if you had a panel in your house
with four red and four green LEDs on it (one red and green pair for
each sensor) and the LEDs would stay green as long as the temp at the
sensor never went below, say, a few degrees above freezing. If you're
interested, I'll work up something and post the schematic so you can
build it or have someone build it for you. If you'd like to buy it
already built, email me with what "CHEAP" is and I'll see if I can do
it for that. :-)

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John Fields