

Brent Murray

From: Brad Geuke [brad@enrgx.com]
Sent: Tuesday, August 31, 2004 9:56 AM
To: brent@rapidpro.com
Cc: Robert Majzner
Subject: Fw: Phone Message of 8-30-04

----- Original Message -----

From: Artwohl, Paul
To: brad@controltecinc.com
Cc: Clark, Jeff ; Stewart, Michael ; Edgerly, Roger ; Kato, Dennis
Sent: Monday, August 30, 2004 11:00 AM
Subject: Phone Message of 8-30-04

Brad Geuke
Control Tec, LLC
P.O. 69
Severance, Colorado 80546

Brad,

Related to your phone message that you left today, you are asking for input related to the control theme on your new control unit. The unit that we tested used a sensor which controlled heater power based on moisture on the surface of the sensor/equipment. You asked if we had input or experience related to controlling the heaters off dew point, and whether this approach would be a "better".

Controlling off dew point is a good approach, but you must have more sensors. You must know the room dew point, which normally requires two sensors, one for room temperature and one for room relative humidity. >From there, you would also need another sensor to monitor equipment surface temperature. The room sensors need to be far enough away from the equipment to give representative room conditions.

You need to keep in mind that we are not designing your controller. We can give comments based on our field experience, but the bottom line is we are here to test your design and to give back constructive feedback.

I also have a concern that this new approach we are discussing will bring you back to square one from a design standpoint. Let me know your thoughts on that subject.

Paul J. Artwohl
V.P. Engineering

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