TECHNICAL BULLETIN

PRODUCT : REGULAR BOILERS

PUMP OVER-RUN BYPASS SOLUTION FOR MODULATING CIRCULATION PUMPS:

When a bypass is required for a Regular boiler during pump over-run on a system which incorporates a modulating circulation pump, the following guidance may be offered as a solution;



Fig 1 : Electrical Diagram



Fig 2 : Hydraulic Schematic

A spring loaded automatic bypass is normally not required when a modulating circulation pump is used. This solution <u>will not</u> replace a spring loaded automatic bypass nor will a spring loaded automatic bypass provide this function.

The sole purpose of this solution is to provide circulation at the end of a demand allowing dispersion of latent heat ensuring the boiler does not reach a temperature that would cause an over-heat lockout.

This solution will provide circulation for the appliance at the end of a demand once the zone valves have closed.

To utilise this method of bypass you will require a 3 wire spring return 3 port diverter valve; (Honeywell V4044C or equivalent).

Page 1 of 1

Whilst it is always our intention to fully assist, it is essential to recognise that all information given by the company in response to an enquiry of any nature is provided in good faith and based upon the information provided with the enquiry. We recommend that advice should always be checked with your installer or contract partner. Consequently, the company cannot be held responsible for any liability relating to the use or repetition of such information or part thereof. In addition, whilst making every reasonable effort to monitor the performance and quality of our supply, installation and service network, we do not accept responsibility or the workmanship or operation of any third party company that the company may have promoted either in conversation, e-mail or other communication. Similarly, the views and opinions expressed in communication with individuals within the company may not reflect that of the business as a whole.



You can find this, and all issued technical bulletins on the Worcester web sites at; <a href="http://www.worcester-bosch.co.uk/to-inter