

## SERVICE BULLETIN



### SETTING ENVI<sup>®</sup> DOMESTIC ONLY PARAMETERS

When using Harsco Industrial Patterson-Kelley boilers with ENVI<sup>®</sup> controls in domestic only application; parameters within the ENVI<sup>®</sup> control need to be changed.

- Under Parameters > CH settings:  
Set the **BLR OP** to **0**

- Under Parameters > DHW settings:

Set the **DHW type** to **1** (DHW priority)  
Set the **DHW setpoint** to **140°** (or site specific set point)  
Set the **ON different** to **4°**  
Set the **OFF different** to **5°**  
Set the **Post pmp time** to **30-90** sec

- Under Parameters > Boiler settings:

Set the **Max setpoint** to **150°**  
Set the **Max Temp** to **180°**  
Set the **Post purge** to **60** sec (sealed combustion) (90 sec – room air)

➤ *If using a storage tank with a temperature sensor:*

It will be necessary to order and install either PK part # BP-0000-0279 (Header sensor) or PK part # BP-0000-0480 (Tank sensor) and wire into DHW STAT/SENSOR terminals and set the **DHW mode** to **1**

Under Parameters > DHW settings:  
Set the **Tank set** to **130°** (or site specific set point)  
Set the **Tank off dif** to **5°**  
Set the **Tank on diff** to **4°**

➤ *If using a storage tank with an aquastat:*

It will be necessary to provide and install an SPST close on fall temp control and wire into DHW STAT/SENSOR terminals and set the **DHW mode** to **2**

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- ❖ When using Harsco Industrial Patterson-Kelley boilers with ENVI<sup>®</sup> controls in a **domestic only application with a temperature sensor** it is necessary to order a remote sensor.

After completing the parameter changes, cycle the power off and then back on and confirm your parameters are correct. Then verify correct operation. If you have any questions contact

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