



Century Controls, Inc.

CC-2000A DRAFT CONTROL

The **CC-2000A DRAFT CONTROL** can be provided on new projects as well as on existing boilers. One Control will control the draft on two boilers.

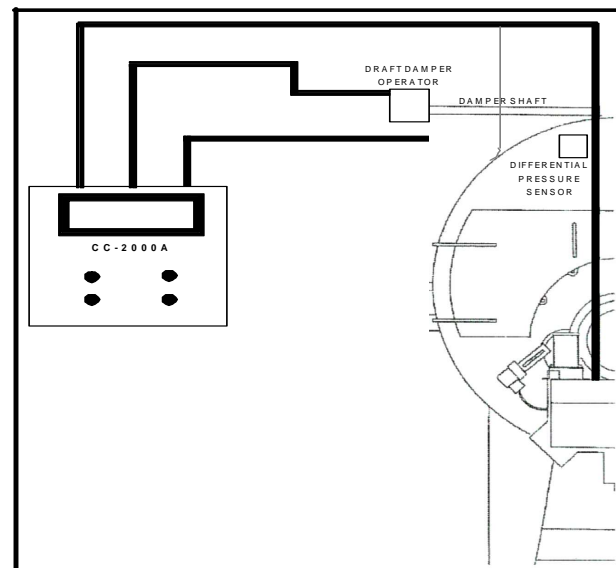
The **CC-2000A DRAFT CONTROL** has algorithms and software that is ideal and unique for precise control of draft. This patented control is similar to the Century Master Control/Sequencer of which there are hundreds installed across the country. It carries PID Control a step further with a 4th mode which allows precise action at the start of a process. Ordinary controls, on “start”, treat a large “offset” in the process as if it is a drastic change in the process, responding much too fast causing temporary “cycling” or other problems. In the case of boiler firing rate control, when the boiler is started, ordinary controls drive the firing rate to maximum only to cause shock to the tubes and refractory in its action to merely reach set point, whereas the Century Sequencer Control drives the mod motor only as required, very gently, to reach set point.

BENEFITS

In the case of Draft Control, the **CC-2000A DRAFT CONTROL** is ideal. When the Flame Safety System releases the control of the damper to the Century Controller after light-off at a fully open damper position, a start point, selected and entered through the display, is utilized to begin controlling near the position normally required before any control action starts. Then the aforementioned 4th mode of the Control makes only miniscule

adjustments to the damper position, even though the Draft Sensor initially indicates an extreme signal with a large offset, during the process of retracting from the wide open position.

Ordinary Controls, not offering this 4th mode for precise control at all times, would tend to drive the damper too far to the closed position, which can cause a period of “hunting” until it finally settles at the correct position. A variety of methods are used to dampen this extreme action, which occurs because ordinary controls do not offer the intelligence, as Century’s control does, to recognize a need for slower response with a large offset at start-up.



THE CC-2000A DRAFT CONTROL OPERATES PROPERLY AT ALL TIMES AND UNDER ALL CONDITIONS OF THE PROCESS