

Low Water Cut-Offs – Residential/Commercial**CycleGard® CG400 Series**

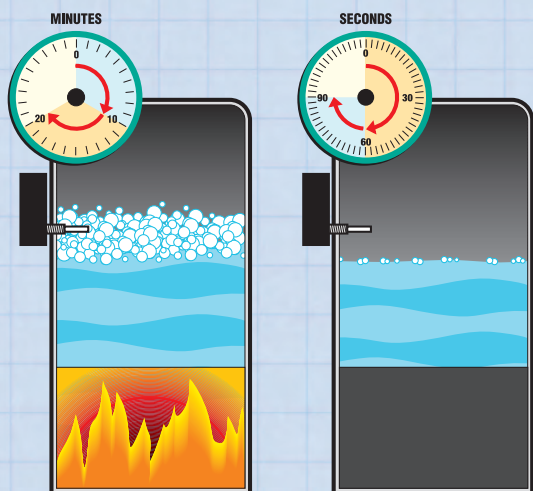
- Intermittent Level Test – Maximum Protection for Foaming Boilers
- 15 Second Burner Off Delay
- 30 Second Burner On Delay
- Automatic Reset
- Low Water Indicating Light
- Direct Boiler Mounting – Eliminates Blowdowns

Specifications	Model CG400	Models CG450 and CGT450
Power Consumption	2.1 VA	4.2 VA
Switching Capacity	50 VA	5.8 FLA, 34.8 LRA
Switch Contacts	SPDT	SPDT
Max. Steam Pressure	15 PSI	15 PSI



MODEL	VOLTAGE	DESCRIPTION/OPERATION
CG400-1090	24 VAC	Burner circuit contacts open after 15 second delay in a low water condition. Delay prevents short cycling caused by momentary fluctuations in the boiler water level. Automatically reactivates burner circuit 30 seconds after water reaches the probe, allowing optional water feeder to raise water level above the probe. Intermittent Level Test (ILT) feature provides maximum boiler protection by removing power from the burner circuit at set intervals. ▶ Models ending in "1090" perform the ILT every 10 minutes for 90 seconds. ▶ Models ending in "1560" perform the ILT every 15 minutes for 60 seconds. ▶ Models ending in "2060" perform the ILT every 20 minutes for 60 seconds. ▶ Models ending in "2090" perform the ILT every 20 minutes for 90 seconds.
CG400-2090	24 VAC	
CG450-1090	120 VAC	
CG450-1560	120 VAC	
CG450-2060	120 VAC	
CGT450-2060	120 VAC	Same as CG450-2060 (described above) with added feature for boilers equipped with tankless coils. The CGT450-2060 suspends operation of the Intermittent Level Test when the boiler is receiving a call for domestic hot water. This feature ensures continued burner operation during a demand for hot water.

U.S. Patent No. 5,739,504; 6,390,027

**CycleGard®****Maximum boiler protection – Even in SURGING and FOAMING boilers.**

CycleGard continually monitors the boiler water level like other probe type cut-offs. But, unlike any other cut-off, CycleGard uses **Intermittent Level Test (ILT)** technology to provide protection against false signals created by foaming and volatile water conditions in the boiler. CycleGard's **ILT** periodically removes power from the burner circuit. During this test, foam dissipates and the water level stabilizes – allowing CycleGard to monitor the *true* water level in the boiler. Since 1996, the superior protection of CycleGard has made it the standard low water cut-off for many of the industry's leading boiler manufacturers.

▶ See CycleGard video at www.hydrolevel.com