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## **HITACHI INTRODUCES PUMP SLEEP MODE FOR L300P SERIES**

TARRYTOWN, NY, September 2, 2008 -- Hitachi America, Ltd., Industrial Systems Division, today announced the availability of the IPU-PSM option board. When installed in a Hitachi L300P Series inverter, the IPU-PSM adds Pump Sleep Mode functionality to the standard built-in PID function.

Standard PID control may, depending on system demand, allow a pump to operate at undesirably low speeds for prolonged periods of time. This can cause mechanical issues with certain pump types, and in general is a wasteful use of energy, since most pumps do not generate significant flow or head at low speeds.

The IPU-PSM allows for the specification of a lower limit on inverter output frequency. Should the PID function call for a frequency below that limit for a user defined period of time, the inverter will go to “sleep”, meaning the inverter output will shut off and the pump stops. The IPU-PSM continues to monitor the system pressure feedback via the inverter’s PID Deviation parameter. If system pressure drops below a defined level for a specified period of time, the inverter will “wake” and resume normal PID pressure regulation. In addition to this automatic operation, two digital inputs are available on the IPU-PSM: to force the inverter to wake, and to disable the sleep function.

The IPU-PSM is easily configured by means of four inverter parameter settings, and no additional hardware is required.

For more information, please contact [www.hitachi.us/inverters](http://www.hitachi.us/inverters) or [inverterinfo@hal.hitachi.com](mailto:inverterinfo@hal.hitachi.com).

Hitachi America, Ltd., Industrial Systems Division supplies a broad range of Industrial Infrastructure products and services. The division supplies markets sophisticated electrical and electronic industrial equipment and components for application in pharmaceutical plants, food & beverage processing, steel making, mass transit systems, chemical plants, and other manufacturing facilities.

Hitachi America, Ltd., a subsidiary of Hitachi, Ltd., markets and manufactures a broad range of electronics, computer systems and products, and consumer electronics, and provides industrial equipment and services throughout North America. For more information, visit <http://www.hitachi.us>.

Hitachi, Ltd., (NYSE: HIT / TSE: 6501) headquartered in Tokyo, Japan, is a leading global electronics company with approximately 390,000 employees worldwide. Fiscal 2007 (ended March 31, 2008) consolidated revenues totaled 11,226 billion yen (\$112.2 billion). The company offers a wide range of systems, products and services in market sectors including information systems, electronic devices, power and industrial systems, consumer products, materials and financial services. For more information on Hitachi, please visit the company's website at [www.hitachi.com](http://www.hitachi.com).

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