

IPU-PSM Option Board for “Pump Sleep Mode”

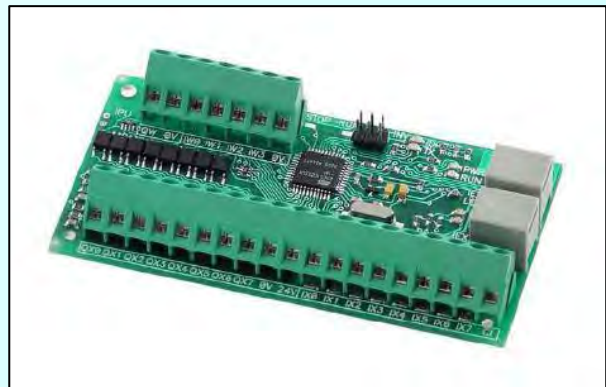
Custom-Made for Pumping Applications

Designed for use with the reliable **L300P** Series inverter platform, the IPU-PSM incorporates features vital to many pumping applications

Depending on system demand, standard PID control may allow a pump to run at low speeds for prolonged periods of time. This can cause mechanical issues with certain pump types. It also wastes energy, since most pumps do not generate significant flow or head at low speeds. The IPU-PSM allows the user to specify a lower limit on inverter output frequency, or pump speed. If the PID function calls for a pump speed 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 monitors the system pressure feedback. 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, two digital inputs are available on the IPU-PSM: to force the inverter to wake, and to disable the sleep function.

The IPU-PSM allows for:

- Sleep mode initiation on low frequency threshold for specified length of time (A062 & F202)
- Wake from Sleep Mode based on:
 - Pressure deviation for a specified length of time (C044 & F203)
 - Digital input



The IPU-PSM is designed with ease of use and flexibility in mind. Four simple parameter settings in the inverter allow fine-tuning of the IPU-PSM to suit a wide variety of application needs. An optional remote operator is also available to further simplify setup and monitoring of operation.

IPU-PSM – A powerful solution for demanding pumping applications