



## IMO Renewable Energy i3 intelligent Controller

The iCube Intelligent Controller combines reliable PLC technology, display interface and the most advanced communications options into a single economical simple to program unit. Used in combination with luminosity sensor equipment the iCube operates as the ideal tracking device to control solar panel orientation and ensure maximum insulation efficiency.

Its IP65 rating offers the flexibility of mounting externally if required and Modbus communications as standard give seamless connectivity to other energy devices such as power meters. The optional GPRS/GSM modem increases the functionality further by enabling remote access such as a remote terminal unit (RTU) plus other features such as text messaging and emailing.

IMO's i3 controller reduces equipment costs and build time by intergrating PLC, HMI and Openbus communications technology into a single, easy to mount unit. Available with a combination of Digital and Analogue I/O including Remote I/O and integrating T/C and PT100 inputs, the i3 controller is ideal for both process control and factory automation applications; especially as it is backed by IMO's unique 3-year warranty. Although measuring just 96mm<sup>2</sup> by 57.5mm deep, the i3 nevertheless packs in levels of functionality that makes the unit the most flexible and cost effective in its class. In addition to digital and analogue I/O and integral HMI, the i3 integrates advanced controls such as PID for process control, PWM for stepper motor control, GSM MODEM or Ethernet, Recipe, Alarm, Timer, micro SD and High Speed Counter functions, all of which are supported by FREE Software.

The i3 is the no-compromise solution for all-in-one display, control and communication.

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