

EMERGENCY SHUTDOWN CONTROLLER

(888) 346-0146

www.innovativesolar.ca

Remote Gas & Oilwell Control Specialists



Innovative Solar Inc, is proud to introduce the
IS-1400
 Intrinsically Safe, Solar – ELECTRIC ESD
 SYSTEM

This system was designed and built to answer the Oil and Gas Industries demand to replace problematic pneumatic separator controls with zero maintenance, zero emissions, electric controls.

Operation

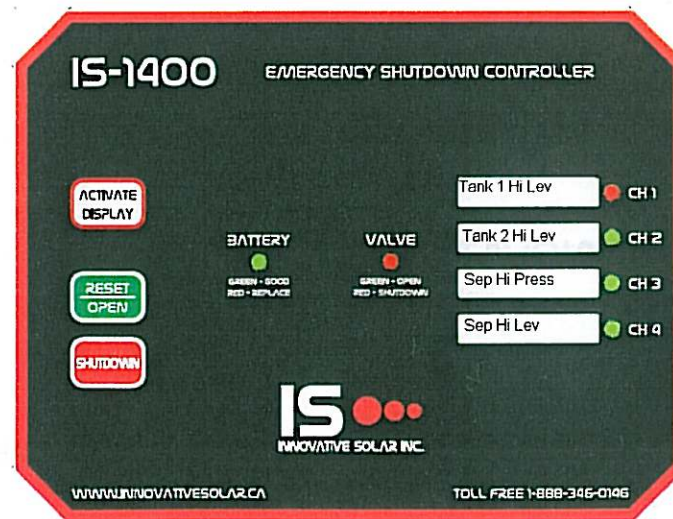
One of the “fail safe” alarms (eg. Tank High-level) is received by the Controller. The Controller in turn sends an electronic signal to “Shut In” or “ESD” your site.

This can be done through the **IS••• 45** psi solenoid to the existing pneumatic, or hydraulic ESD valve, or through the **IS••• ISSR** electronic relay, to a DC powered solar – electric ESD valve.

Once the operator returns to the site, in a glance he would see by the 2 red indicator lights that the site is shut in, and which alarm shut it in.

The reset button will not re-open the valve until the alarm has been cleared.

The separators will also ESD, if the continuously monitored 6volt power supply drops below 5.5volts. This is also indicated through simple green or red lights; however, the low powered **IS 1400** is **guaranteed to operate** with no solar charging input for a minimum of 6 months. This along with the -40°C to +60°C operating temp, make the **IS 1400** the **#1 solution** for the northern applications.



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For sites that require/prefer an automatic reset – the IS 1400 provides a convenient toggle switch mounted on its inner panel.

- Stop environmental spills due to pneumatic freeze offs
- Instant visual ESD alarm
- No programming needed
- Reduce emissions
- Increase work safety
- Increase production and profits

Specifications

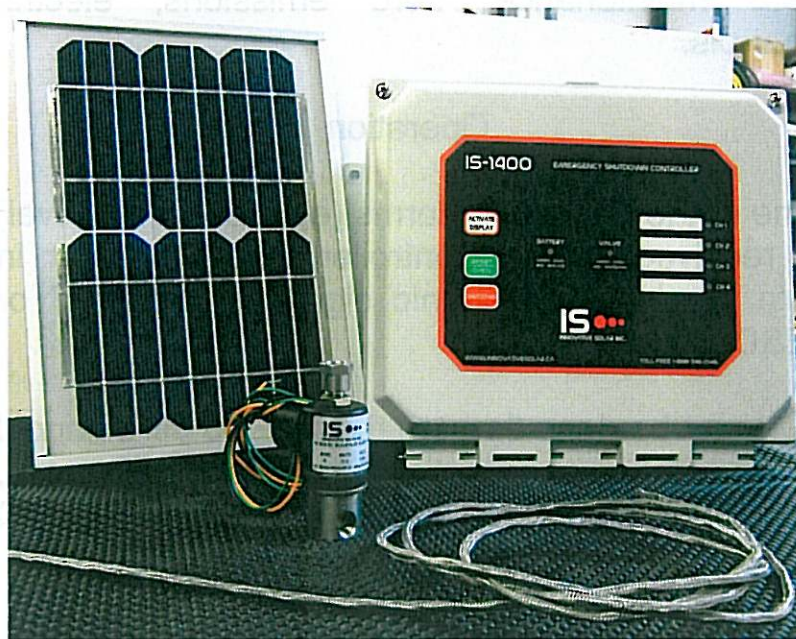
Intrinsically Safe
Ex ia IIB / CLASS I, DIV 1,
GROUPS C & D, T3C,
 $-40 = T_a = +60^{\circ}\text{C}$

Battery Power: 6Vdc nom.
Solar Charger: 7.5Vdc nom.
Enclosure: Type 4

SIMPLE

COST EFFECTIVE

RELIABLE



INNOVATIVE SOLAR INC. ●●●
Solar Energy Specialists

Cary Sutyla

Ph: (403) 346-0146

Toll Free: (888) 346-0146

Email: c.sutyla@innovativesolar.ca

Box 738

Red Deer, AB

T4N 5H2