

AGS1133 Intelligent Solar Switch

- Single or Dual CT operation
- 2 years guarantee as standard
- CE & RoHS compliant
- British Design & Manufacture

TYPICAL APPLICATION

- Solar / Wind Generated Power Systems

TECHNICAL SPECIFICATION

FUNCTION

Monitors the *household power*; recognises if the power is being imported or Exported and only switches ON the immersion heater when enough spare power is being available from the solar system.

INPUT

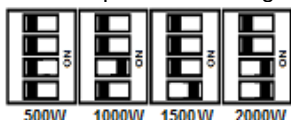
From Amelec ACT-200 CT
(See datasheet for ACT-200 for further details).
Frequency: 50Hz nominal, other ranges available. Calibration Range: 5 to 100% / Average RMS

OUTPUT

1 x SPCO contacts, rated at 250VAC, 16A, 3000VA resistive.
(Relay Normally De-energised, Energised on trip) Fail safe.

CONTROLS

Internal Selector Switch to set spare capacity threshold point in the range of 0.5 to 2kW.



(Default factory setting is 1.5kW).

INDICATOR

Power ON: 5MM LED, GREEN.
Relay status: 5MM LED, Red = ON

PHASE DETECTION

IMPORT = 3MM LED, GREEN
EXPORT = 3MM LED, RED

PERFORMANCE

Accuracy: <1%
Trip settability: better than $\pm 1\%$
Trip repeatability: better than $\pm 1\%$
Response time: Typically < 400mS
Power consumption: <3VA

MOUNTING AND FIXING

Surface mount IP65 - EUROPA
- ECW06 Enclosure
Dimension: 160W x 212H x 115D.
Fixing Centre - 145mm



PROTECTION

Isolation 1000V RMS.
Inputs/Contacts/Supply/Earth
Internal Fuse.
Failsafe Relay loss of power
Input over range up to typically 200%.

ENVIRONMENTAL CONDITION

Storage temperature: - 40 to +70 °C
Operating Ambient: -15 to +55 °C
Relative Humidity: 5 to 95% RH

SAFETY NOTE:

1. Potentially **dangerous high** present voltages and therefore should only be installed by a qualified person.
 2. Connect the equipment according to current IEE regulations and separate all Wiring according to IEC1010.
 3. Make sure all screw terminals are tight before you switch the equipment on.
 4. Don't touch any circuitry after you have connected the equipment, because there may be lethal voltages on the circuit board or connector terminals
- Equipment designed for Pollution-Degree 2 environments only.
Must be installed in a clean, dry environment.