



PV Kilowatt Hour Meter Remote Display & Main Controller®

Model – PR323



- *Easy to install*
- *For use with Solar Geyser*
- *Battery backup clock*
- *Real time KW Hour display*
- *Daily & Accumulative KW Hour saved*
- *PV Volts, Current and Power displayed*
- *Inline connection with MC4 connections*
- *Mains & PV powered*
- *3 Programmable timers with temperature*
- *Manual mains over ride switch*
- *Geyser water temperature display*
- *4 wire remote display connection*
- *Long life design*

Another product from the **Usedasun®** range.

This unit displays the amount of energy one saves by using the solar geyser system, on a daily basis and the accumulative saving from the last time that the memory was cleared.

As with all solar driven geysers, there will be times that the water temperature may be inadequate due to usage, or even low sun radiance days, this unit, in conjunction with Mains Back Up Relay model MBU-001, allows the user to control the water temperature in a geyser during these times.

There is a manual direct temperature control, or you can enable 3 programmable times in which the geyser will be supplied by mains.

A built in battery backed up clock ensures that the timer comes in at the correct times, and is used as the time base for the kilowatt hour meter calculations.

The unit is powered either via mains or directly from the PV power source for times when there is a power failure, or for systems in which mains as an alternative source of supply is not required.

The remote display uses an LCD display with back lighting to ensure clear readability of the system parameters, such as PV volts, Current and instantaneous power and geyser water temperature along with date and time.

Installation is simple, where the main controller & measuring device is installed close to the geyser, and the display can be installed at a convenient remote position for easy viewing and access.

Specifications

AC or DC (PV) auxiliary supply	230V AC 85 – 500V D.C. input
Measuring range	85 – 500V D.C
Current	0.2 to 10Amp D.C.
Power	Instantaneous 5Kw
KWH - Daily range	up to 99,999KwH
KWH – Accumulative	4,294,967.295KwH
Real Time clock (RTC) accuracy	Better than 2 seconds per day deviation
RTC Battery backup	3V Lithium
Battery lifespan	No auxiliary power, 2 to 5 years with no power
Relay	10A Resistive
Temperature measurement	NTC 10K 1% range 0 – 100° Centigrade
Temperature accuracy	+/- 1° Centigrade

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