

HRDi Remote Display User Manual



Fascia size: 135mm x 80mm
Panel cut out: 125mm x 60mm Depth behind panel: 25mm

Check you have received:
1 x HRDi Remote Display
1 x 3m Data Cable

You will need:
Suitable screws to affix the display to the chosen surface.

For use with the Marlec HRDi Controller to enable remote viewing of the display and temporary shutdown of the Rutland Windcharger and solar panels connected.

Installation

- Locate a suitable position within the panel & cut out the specified aperture.
- Feed the data cable through the cut out & route through to the HRDi. (Use only the cable supplied).
- Plug the data cable in to the data socket on the HRDi.
- Plug the data cable into the remote display unit.
- The remote display unit will display some messages on the screen while it tests the data link & synchronizes with the HRDi. When complete, the display will mimic the HRDi display. If the remote display shows any error messages then check that the data cable is connected at both ends & the HRDi is connected to the batteries & displaying normally.
- Fit the unit into the panel & secure the fascia via the 4 x fixing holes using suitable screws.

Operation

The display and push button functions are very similar to the HRDi:



Top button: Scrolls the display through WG, PV & Net readings.



Centre button: Zero the accumulated Ah. This remotely zero's the Ah & hours on the HRDi.



Bottom button: Toggles the backlight on & off. The backlight will automatically switch off after a delay.

Remote shutdown of the wind turbine:

- Press & hold the bottom button for 3 seconds, then release. The display will show '*Would you like to stall the turbine?*' & the word '*No*' beside the lower button.
- Press the top button to change the display to say '*Yes*', press the lower button & the turbine will be gradually stalled. When fully stalled it will remain in this state until released by a further button press as indicated on the screen. The status will be displayed on the Remote display and HRDi screens.
- The remote display backlight will be turned on for the duration of the stall. When stall mode is activated there will be no charge from either wind or solar inputs.

Note: This method of stalling requires a constant power supply to the HRDi to maintain the stall; if the power supply is lost the stall will be released. During maintenance it is highly recommended that the stall switch on the HRDi is used. **If batteries are to be disconnected the stall switch on the HRDi must be used.**

Programming of "backlight off" delay time & button illumination.

- Press & hold the bottom button for 3 seconds, then release. The display will show '*Would you like to stall the turbine?*' & the word '*No*' beside the lower button.
- If the bottom button is pressed while '*No*' is displayed, options will be given to change the backlight on delay time from the default 30 (s) seconds, and turn the button illumination off or on, the new settings will be stored in memory.

Manufactured in the UK by:

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