MICRO CARE

MICROCARE Programmable Relay Interface



Features:

- The MICROCARE Programmable Relay Interface can be us MPPT range.
- The MPPT can be programmed to switch the relay at s
- The Programmable Relay Interface can be used as a controller or to facilitate our Solar Assist Function conditions) when to power the LOAD / House using So external supply (like Eskom or a backup generator).

LED Function:

- POWER Green = Power is present
- TX Red = Transmitting data
- RX Red = Receiving data
- The PWR LED should at all times be on. The Two RED LED

ed in conjunction with any of the MICROCARE LCD

electable voltages / conditions / parameters.

Load shed controller, Day night switch, Generator where the MPPT decides (based on user selectable lar / Wind power and when to power the LOAD / House

via an

's should always be flashing with one second interva ls.

Relay Function:

- Load shed controller Relay switches off when batt ery voltage falls below the user selected battery l ow voltage. - Relay switches on when battery voltage rises abov e the user selected battery good voltage.
 - Relay switches on when panel vol tage falls below the battery voltage.
 - Relay switches off when panel voltage rises above the battery voltage. - Same operation as Load shed controller.
 - Connect COM NC (normally close) connections to generator remote start.

controller.

Solar Assist Function

Day Night Switch

Generator controller

- Same operation as Load shed - See diagram on page 2.

Wiring diagram (Solar Assist Function)



Cables

Connections

The MICROCARE MPPT has two **female** RJ-12 connections. The open port is for RS232 communications and the closed port as can be seen from the picture is used for programming of the internal microprocessor <u>only</u>.



Buttons RS232 (Com)

n) Programming ONLY!



Bottom View (MPPT side)





With a Normal cable both ends are in the same position when the cable is lying flat. One side will look like the picture above with Pin 1 starting with Blue, on the other side Pin 1 will start with White. Use a Normal cable to connect a MPPT to a slave.

Specifications:

Output Current Rating	12/40 amps
Switching Voltage	12v-DC / 220v-AC