Dingo Series Remote Control

Description

The Dingo Remote Control (DRC) is a device which allows remote user access to a Dingo series charge controller.

It displays exactly the same information as the Dingo screen, and the DRC button behaves in exactly the same way as the button on the Dingo controller.

This means you can use the DRC for everything you would normally do at the Dingo itself, only in a more convenient location. You can access all the information and adjust all the settings just as you can on the Dingo itself.

New Features

The DRC has two additional features to those on the Dingo. These are automatic LED back-lighting and an audible Alarm.

LED Back-lighting

The DRC display is back lit with yellow LED light. The back-light will turn off if you have not pushed the button for 5 minutes.

If the display is off, then the first button push will turn the display back on, but not do anything else. Subsequent button pushes work as normal.

Audible Alarm

The DRC has an audible alarm which is activated by outputs from the Dingo.

The alarm will be activated when the red led is on or flashing. This mirrors the alarm led on the Dingo. To avoid false alarms, the alarm condition must be present for 30 seconds before the audible alarm activates.

The alarm will be on if:

a. The battery voltage is below the alarm setting or

b. The load has been disconnected or is in the process of disconnecting or reconnecting.

The alarm can be silenced by pressing the button.

Once the alarm has rung, then it will not reactivate unless the alarm condition has first been removed by the Dingo for a least 30 seconds.

Enabling alarm operation.

As shipped, the audible alarm is not activated. The alarm can be activated by pressing the button and holding it down for 10 seconds. This can be done in any screen (And the the display may change during this time). After 10 seconds, the screen will change to show 'ALMT 0 min'. The number on the screen is the number of minutes that the alarm will be allowed to sound. If set to 0, then the audible alarm is ***disabled***.

Setting alarm time

To adjust the time, do a long push to start the number flashing. Then use short pushes to adjust the number. Then a long push to save the change. The change is saved to the DRC memory and is not lost if the DRC is disconnected. When finished, short push to return to normal operation. The maximum alarm time that can be selected is 8 minutes.

Installation

The DRC is packaged in a modified CLIPSAL® 2000 series switch plate. This is a standard electrical fitting and is mounted in the same way as light switches or power points.

The screws supplied can be used to mount the

DRC directly to timber or metal surfaces. CLIP-SAL® 2000 series accessories can be used to mount it to plasterboard, masonry, and other surfaces. An electrician would be able to supply and fit these accessories.

The DRC should be mounted vertically. When first plugged in, the alarm sounds for 2 seconds and the red led is on. This indicates correct connection.

Cables

In most cases it is not necessary to use a shielded cable to connect to the Dingo.

For long runs in a noisy environment, it may be advisable to use a shielded cable with one end of the shield connected to battery negative. You can order custom length cables.

The DRC is connected via an RJ12 socket on the back side.

If you want to 'rough in' the wiring in advance of the installation (e.g. while walls are being built), use a shielded four conductor cable of a type you can crimp an RJ12 plug onto (eg. flat phone cable or CAT5 data cable).

When making your own cable, crimp the plugs on so that when the snouts of both plugs are facing you, tabs up, the wire colors run the same way.

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Specifications

Dimensions:	76 W x 116 H x 28 D mm	
Current Draw:	standby	1.2 mA
	with back light on	3.3 mA
	with alarm led	2.2 mA
	maximum	5.4 mA
Mounting hole centres (Vertical on the centre line)		84 mm
Shipping weight		130 Grams

WARNING: The cable required is NOT wired the same as a standard telephone cable. Inline joiners (PLJ) and double adaptors from other suppliers may not have the same internal wiring and could cause damage. Any joiners or adaptors must have a straight through connection.

Limitations

The DRC can be used with up to 100 metres of cable. It can be added to a Dingo system with up to 5 other Dingo accesories (not including switchblocks or MPPT devices).

Direct Connection

Custom Cable

With Other Accessories

DSA

Double Adaptor

Custom Cable

DCAB