



TOUCH VIEW

Battery charger
controller

Accessory for
DOLPHIN Pro charger

Dolphin
charger

SAFETY PRECAUTIONS

TOUCHVIEW-04



TO PREVENT ANY RISK OF ELECTRIC SHOCK OR FIRE, READ THIS MANUAL CAREFULLY BEFORE INSTALLING THE DEVICE.

In the event of any problems or unclear points, please contact your dealer.

This equipment is not designed for use by people (including children) with diminished physical, sensory or mental capacities or people without experience or knowledge of such equipment, unless they have received instructions in the use of the equipment from a person responsible for their safety or are under the supervision of such a person. Ensure that children are supervised to avoid them playing with the device.

This equipment contains components that may cause electric arcs or sparks, when connecting cables for example. To prevent any risk of fire or explosion, do not install this equipment close to inflammable materials, liquids or gases.



Precautions for installation.

To prevent any risk of irreversible damage to the equipment, ensure that you follow the recommendations below scrupulously.

- ▶ This device must not be exposed to dripping water, splashes or dust of any nature.
- ▶ In no sense is this device a toy.
- ▶ It should not be left in the hands of a child.

TOUCHVIEW-04



Precautions for connection.

To prevent any risk of electric shock or irreversible damage to the equipment, ensure that you follow the recommendations below.

The installation to which the device is connected must conform to applicable standards.

To prevent undesirable heating, ensure that cable cross-sections are correct and that connectors are properly tightened.



Precautions when switching on.

To prevent any risk of electric shock when switching on or during operation, you should comply strictly with the following instructions.

The product should not be disassembled under any circumstances.

This device complies with the applicable regulations governing transmitted interference and immunity from external disturbances.

CONTENTS of the BOX

TOUCHVIEW-04

ON RECEIPT OF THE PRODUCT

Contents of the packaging

Please check the contents of the package when opening:



- ▶ TouchView box with colour touch screen



- ▶ Chrome bezel



- ▶ Connection cable (3 m)



- ▶ Bag of fixing screws

- ▶ User manual

GENERAL CHARACTERISTICS

TouchView is an accessory used to supervise and control the DOLPHIN PRO range of 12V and 24V chargers.

TouchView is simple to connect; it is supplied directly from the charger.

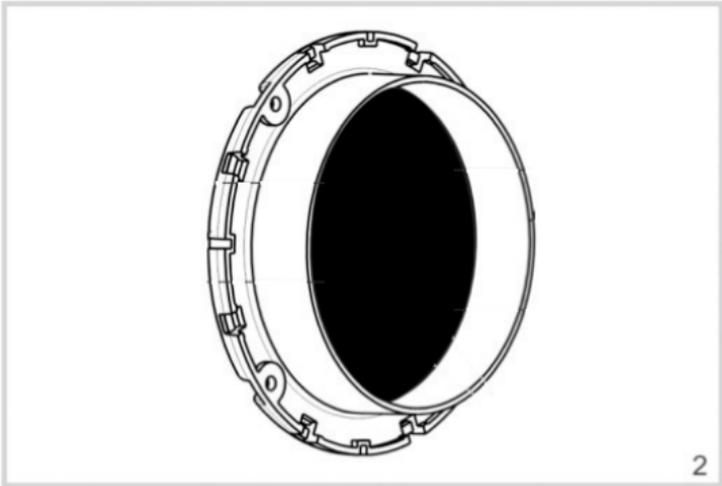
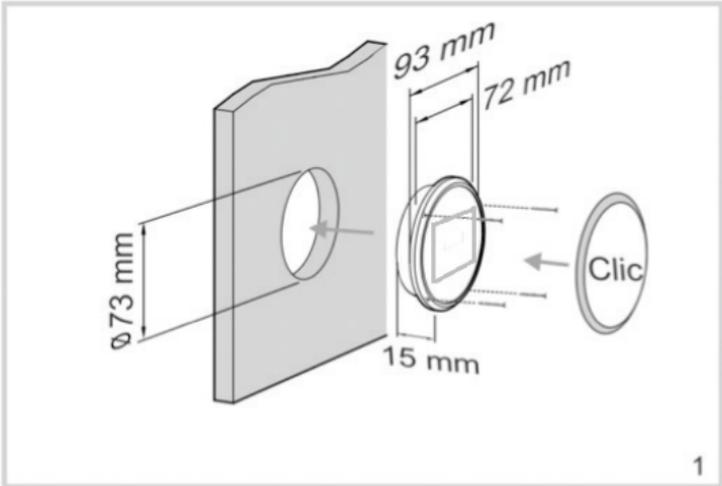
TouchView may be used remotely (in the cab for example), to view the charging status from a distance.

TouchView has a non-volatile memory allowing configuration settings to be stored, even when there is no power, when it is reactivated.

Its intuitive navigation allows the user to become familiar with it very quickly.

TOUCHVIEW-04

QUICK INSTALLATION GUIDE



GENERAL CHARACTERISTICS

TOUCHVIEW-04

Clipping on the bezel

Position the bezel

Press firmly



Unclipping the bezel

Use a tool (screwdriver) as a lever



Do not push against the screen



TOUCHVIEW-04

TERMINAL CONNECTIONS

Wiring	No
Supply + (8 to 16V)	1
CAN H	2
CAN L	3
0V	4

Connection cable between the charger and TouchView:

Wiring	
Yellow	Supply +
Green	CAN H
Red	CAN L
Black	0V



PRECAUTIONS TO TAKE WHEN INSTALLING

Any connection error could result in irreversible damage to the equipment.

You should, therefore, give this aspect particular attention.

TECHNICAL SPECIFICATIONS

TOUCHVIEW-04

Technical specifications

POWER SUPPLY	
Supply voltage	12V dc (8 to 16V)
Consumption	150 mA approx. at maximum brightness and 50mA with the screen turned off
DISPLAY	
Type of display	2.4 inch TFT screen with 320x240 pixel resolution and adjustable backlight
Parameter selection	Touch screen
SCREEN PARAMETERS	
Languages	Choice of five languages English, French, Italian, Spanish, German
Screen background	Configurable: three available colours
Screen brightness	Adjustable
CHARGER PARAMETERS DISPLAY	
Input voltage	Measurement accuracy $\pm 2\%$
Input voltage frequency	+/-1Hz
Charger output voltage	Measurement accuracy $\pm 1\%$
Charger current	Measurement accuracy $\pm 1\%$
Charging phases	Boost, Abs, Float
Current cycle charging time	Hours: Minutes
Selected charging cycle type	10 different types
Battery temperature	-10°C to +100°C (measurement accuracy $\pm 2\%$)
Charger temperature	-10°C to +100°C (measurement accuracy $\pm 2\%$)
CONFIGURATION PARAMETERS	
Charger maximum power	Four levels: 30%, 50%, 70%, 100%
Relay output polarity	Default to on or off
Activation / Deactivation of the charger	Switching the charger on or off

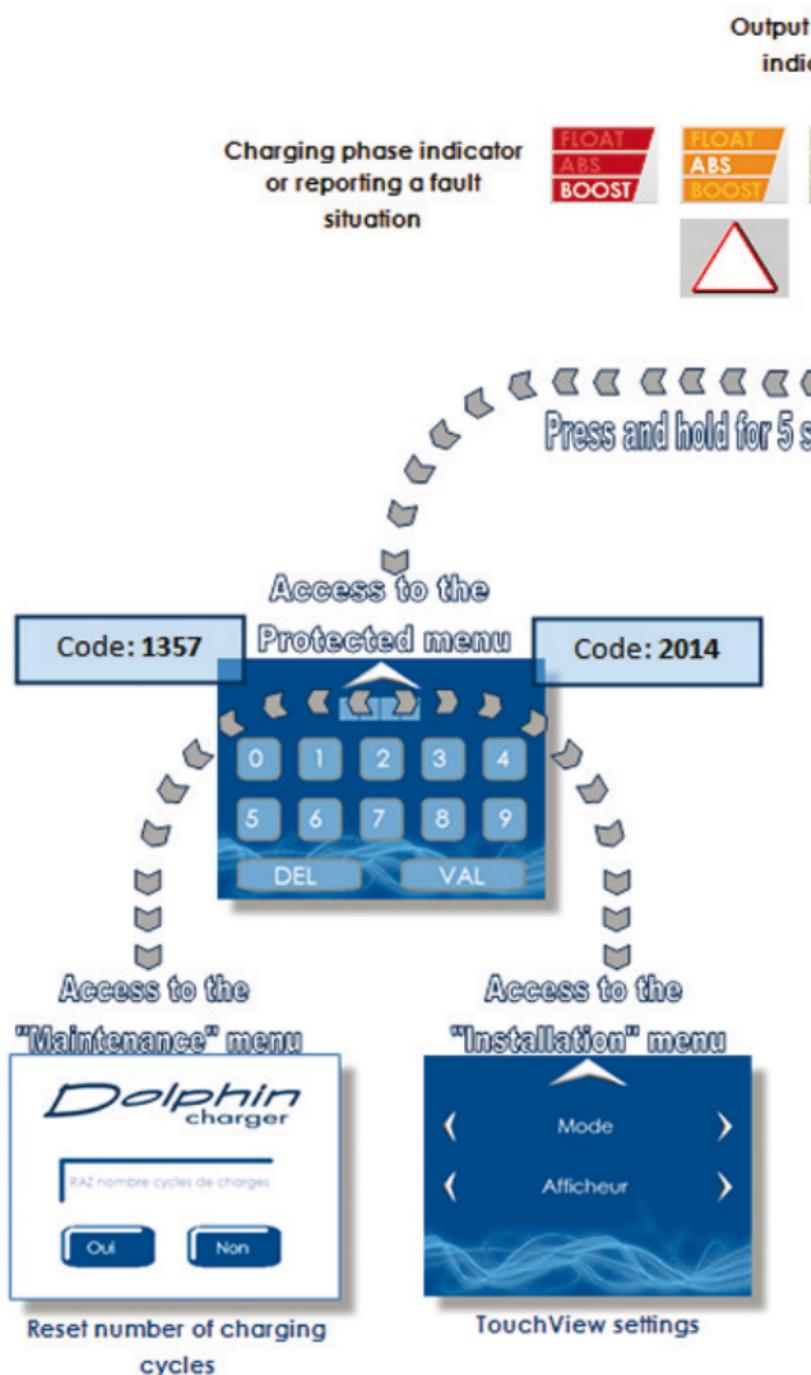
TECHNICAL SPECIFICATIONS EN

TOUCHVIEW-04

PICTOGRAM ALARM FUNCTIONS	
Battery or electronics temperature fault	
Charger supply voltage fault	
Fuse fault	
Charger output voltage fault	
CAN bus fault	
GENERAL	
Operating temperature	-10°C to +50°C
Storage temperature	-20°C to +70°C
Relative humidity	10% to 70% condensation free
Electronics	Resin tropicalised
Presentation	Flush-mounting device, 93 mm diameter
Flush mounting	72 mm dia. (use a 73 mm hole saw) depth 15 mm
Fixing	Four screws supplied
Overall dimensions (width x height x depth)	93 mm dia. x 23 mm
Weight	< 500 g
Connection	RJ9 connector

TECHNICAL SPECIFICATIONS

TOUCHVIEW-04



Select function:



Back to previous page:



TOUCHVIEW-04

Charger ON main screen



Select previous setting:



Select next setting:



Charger ON main screen



Output current
indication

Charger power

Alternating

Screen mode: Display

Charging cycle

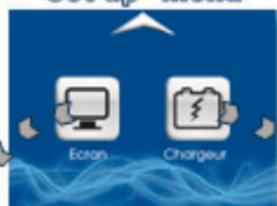
Alternating

Network / 4

Access to the "Function" menu



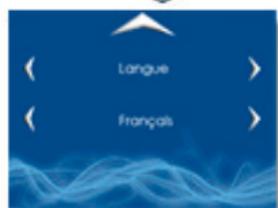
Access to the "Set-up" menu



Access to the "Supervisor" menu



Charger information display

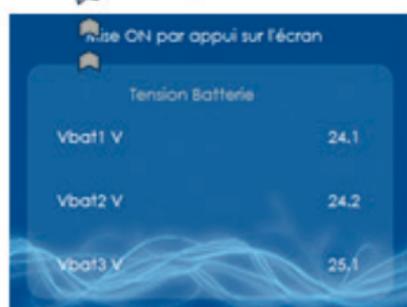


Display settings



Charger settings

Charger OFF



Three-voltage display Battery

> If in "Controller" mode:
Restart the charger by pressing the screen.

> If in "Display" mode:
Main screen automatically displayed if the charger restarts.

Access to the charger OFF command



Access to the "Help" menu



Description of the charging phases



Description of charger faults and conditions for clearing them



Description of how to select the type of charging cycle



TouchView product version

Screen settings	
Language	Choice of five languages: English, French, Italian, Spanish, German
Unit	Choose between °C or °F
Display	Choice of TouchView display mode
	Permanent: Permanent display
	OFF screen: Screen saver after 25 s, press the screen to reactivate it
	Slide show: Slide show displayed after 5 s on the main pages (press the screen to display current page)
Screen back-ground	Configurable: three colours available (Black, Blue, Grey)
Brightness	Backlight settings
	Use the cursor to adjust the level
Dimming	Automatic dimming configuration
	Active: 100% backlight and then automatic dimming after 10 seconds (backlight determined by the brightness cursor)
	Disabled: Screen backlight determined by the brightness cursor
Charger settings	
Max. power	Charger maximum power setting (accessible only if the TouchView is in Controller mode)
	30%, 50%, 70%, 100%
Alarm relay polarity	Relay polarity setting (accessible only if the TouchView is in Controller mode)
	Open if fault
	Closed if fault
Supervisor	
Temperature display:	
Battery	Display of temperature read by the battery probe
Charger MOS	Display of charger internal temperature
Charger diode	Display of charger internal temperature

Charging information display:	
Current charging cycle time	Current cycle charge time display (hours and minutes)
Charging phase (Boost, Equal, Float)	Current cycle phase display
Number of charging cycles	Display of number of completed charging cycles

Charging cycle type	Display charging cycle selected on main charger thumb-wheel	
	0-Open lead	5-Open lead winter storage
	1-Sealed lead	6-Sealed lead winter storage
	2-Calcium lead	7-Gel and AGM
	3-Delphi	8-Power supply
	4-Optima	9-LiFeSo4+BMS
Power input information display		
Input voltage	Input voltage display in Vrms	
Input voltage frequency	Input voltage frequency display in Hz	
Display of three output voltages		
Vdc1 output voltage	Display of voltage on output Vdc1	
Vdc2 output voltage	Display of voltage on output Vdc2	
Vdc3 output voltage	Display of voltage on output Vdc3	
Charger information display		
Charger current voltage rating	Display of charger Voltage/Current ratings	
Software version	Display of charger software version	

Configuration		
Mode	Configuring the TouchView in Display or Controller mode	
	Controller: TouchView lets you display and control the overall charger (display and monitoring of overall network)	
	Display: TouchView only provides a display, no charger control. (Displays the network node selected by the Charger and Network settings)	
Network	Configuration of the network displayed by the TouchView	
	0 for DOLPHIN V1 charger	
	from 0 to 8 for DOLPHIN V2 charger (number according to the setting on the main charger DIP switch: if DIP 1-2-3 set to 0 with number to be configured = 1)	
Charger	Charger configuration displayed by the TouchView, accessible in Display mode only	
	0 for DOLPHIN V1 charger	
	Adjustment from 1 to 12 for DOLPHIN V2 charger (number according to the thumb-wheel for slave (thumb-wheel +2)), 12 for the master, 1 for display of the overall network	

WARRANTY

TOUCHVIEW-04

Warranty

TO AVOID ANY RISK OF INCORRECT USE OF THE EQUIPMENT, READ CAREFULLY THE LIST OF EVENTS OR POTENTIAL FAULTS NOT COVERED BY THE PRODUCT WARRANTY

- ▶ Pressing on the screen when fitting or removing the product could damage it (crack the screen).
- ▶ Dropping the device could irreversibly distort the enclosure or smash the touch screen or certain electronic components.
- ▶ Modifying the enclosure (drilling extra holes in it in particular) could cause mechanical stress on the screen or electronics.
- ▶ Water splashes or drips inside the device could cause irreversible damage to the electronics.
- ▶ Powering the set-up from an unsuitable source (as a general rule, a supply voltage outside the specification). Risk of irreversible damage to the equipment.

Precautions when scrapping

This device contains electronic components and materials that must be recycled at the end of the product's life for environmental reasons.

All devices at the end of their life must therefore be either returned to the local distributor or to a specialist electronic equipment recycling company.

TOUCHVIEW-04

EC conformity

This device conforms to current European standards and is CE marked. Its certificate of conformity is available upon request.

Dolphin
charger



info@dolphin-charger.com
www.dolphin-charger.com