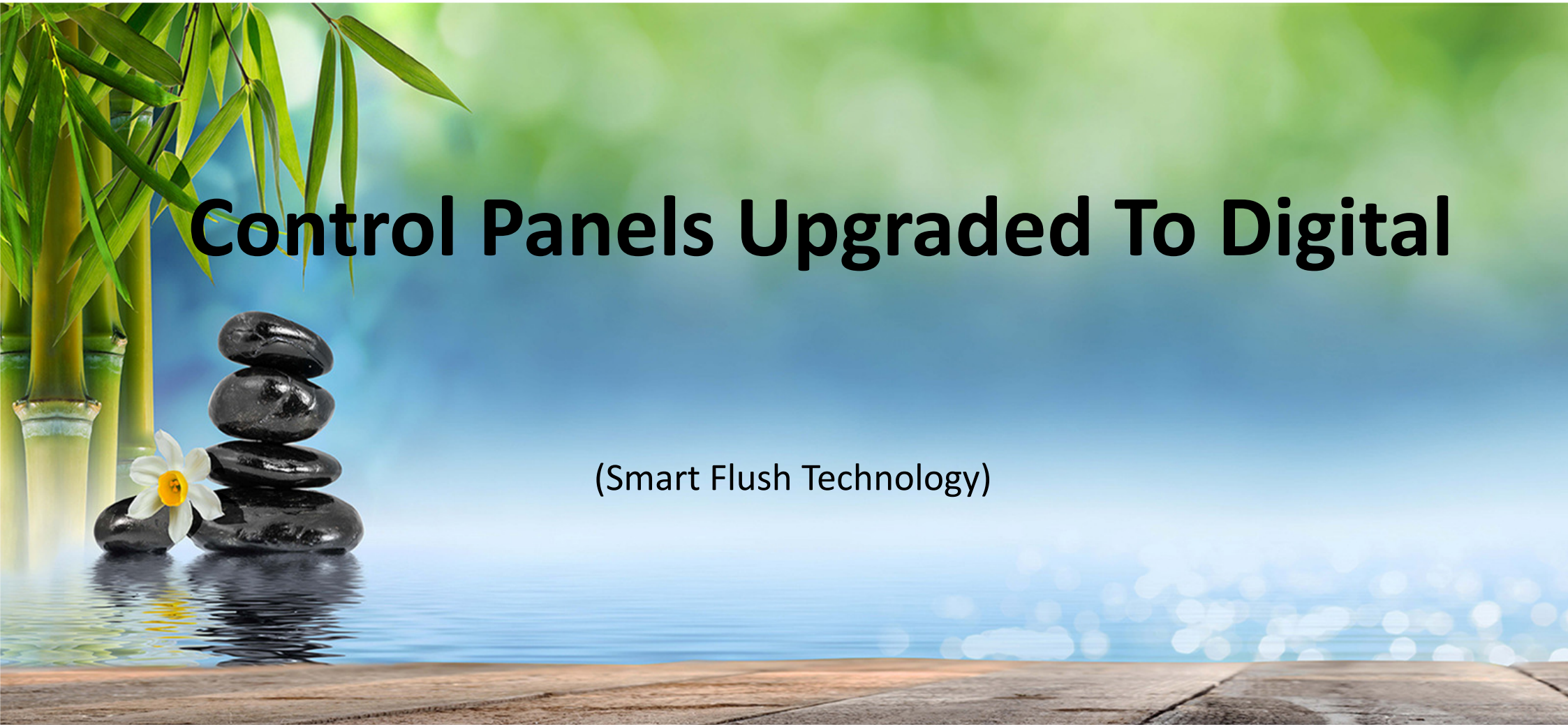
THETFORD Marine



Control Panels Upgraded To Digital

(Smart Flush Technology)

Object

Introduction on the market of upgraded Control Panels with Smart Flush Technology (SFT)

Tecma control panels involved

ALL IN ONE, MULTIFRAME, TOUCH

Timing

From February 2020

ALL IN ONE WITH SMART FLUSH TECHNOLOGY (SFT)

What's new?

Technology

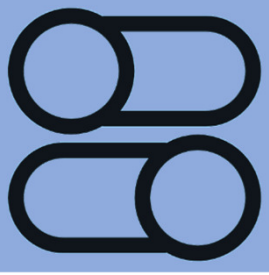
NEW

WILL BE

Digital technology
instead of analogical

Functions

NEW



WILL BE

Smart Flush Function

Overflow Protection (Inlet)

Sensors: possibility of connecting
mirus cell field sensors

Cosmetic and dimensions

AS IT IS

Same Cut Out

Installation

AS IT IS

Same electrical schematic

Functions (1/2)

Smart Flush Function

The pump stops running as soon as it remains without water. (No need of waiting 16s for last short flush)

Advantages

POWER REDUCTION

NOISE REDUCTION

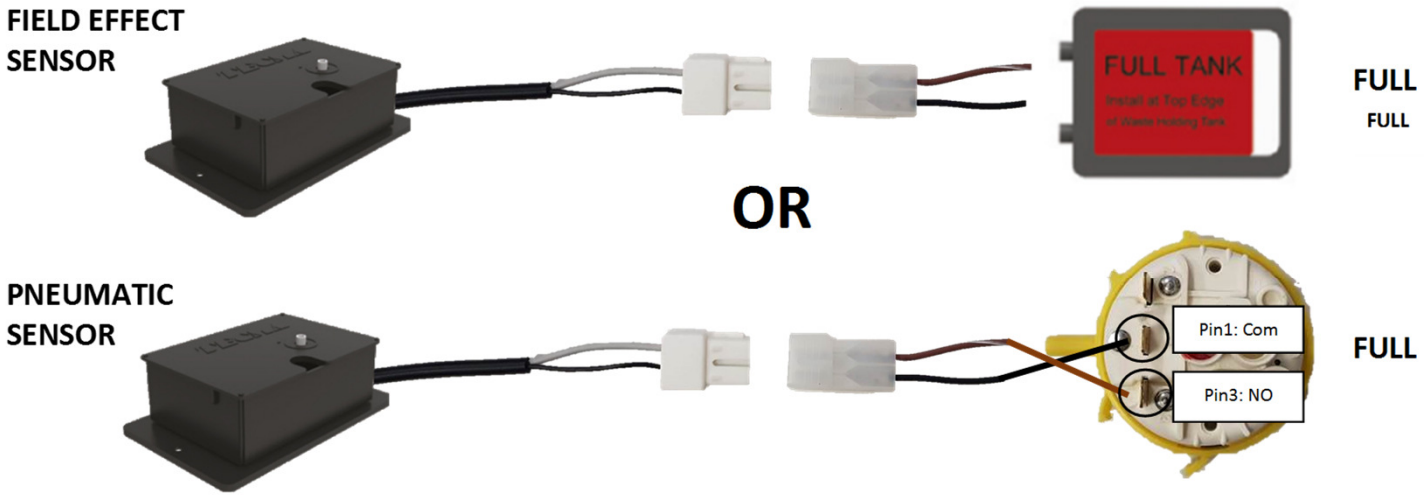
Overflow Protection (Inlet)

The control panel allows only two inlets of water afterward it is mandatory to flush

Functions (2/2)

Sensors

Possibility of connecting mirus cell field sensors besides pneumatic sensors



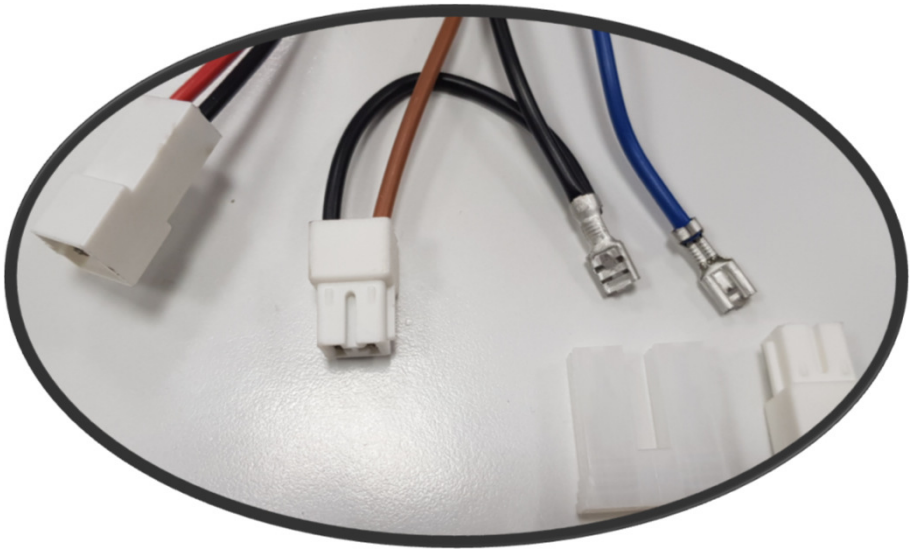
Note: Do not connect sensor connectors to any power source

Installation (1/3)

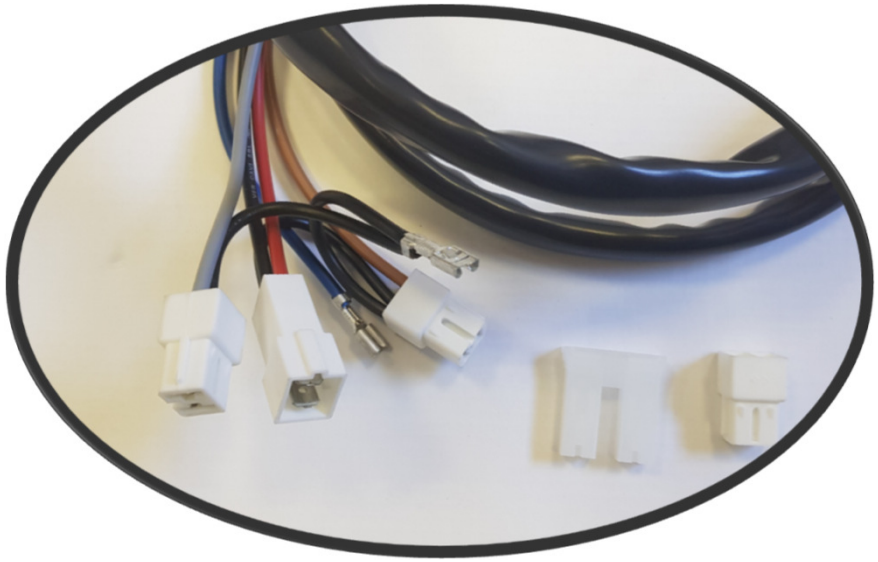
Controller connections (Power, Pump, Solenoid)

Power, Solenoid and Pump electrical connections and the lengths of cables will remain the same

Electrical Connections



Previous Electrical Connections

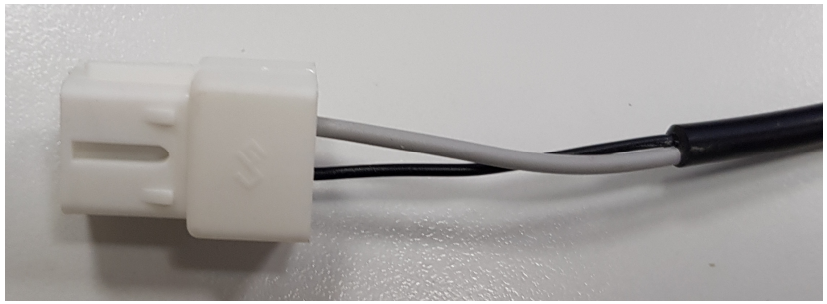


Installation (2/3)

Controller connections (Tank Sensors)

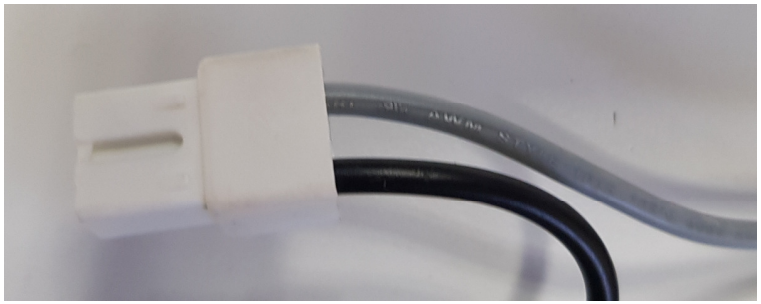
Same connector (grey – black) but on a shorter and independent cable of 30 cm

Electrical Sensors Connections (SFT)



Length of the wires 30 cm

Previous Electrical Connection

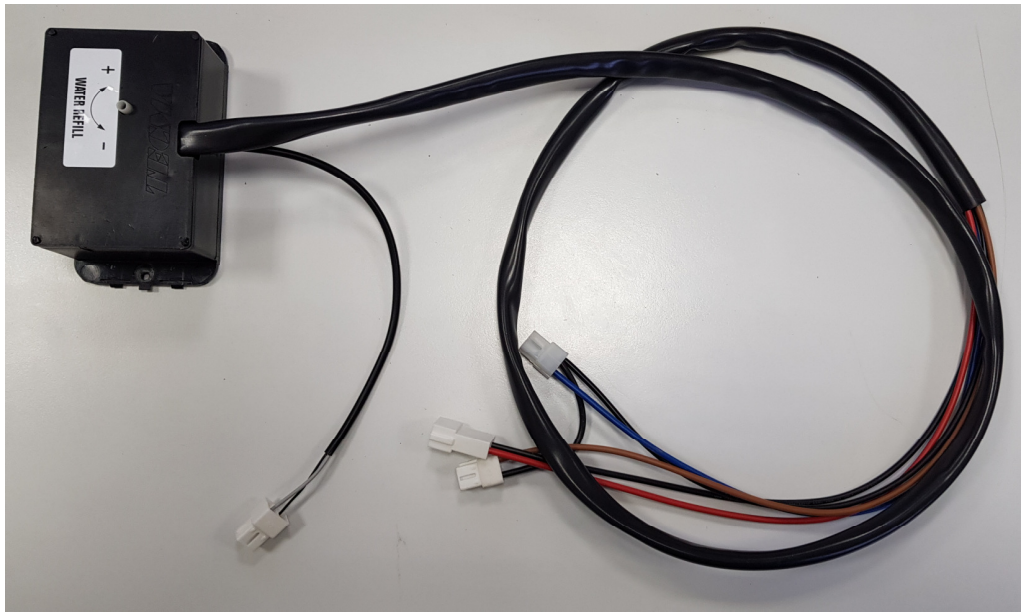


Length of the wires 150 cm

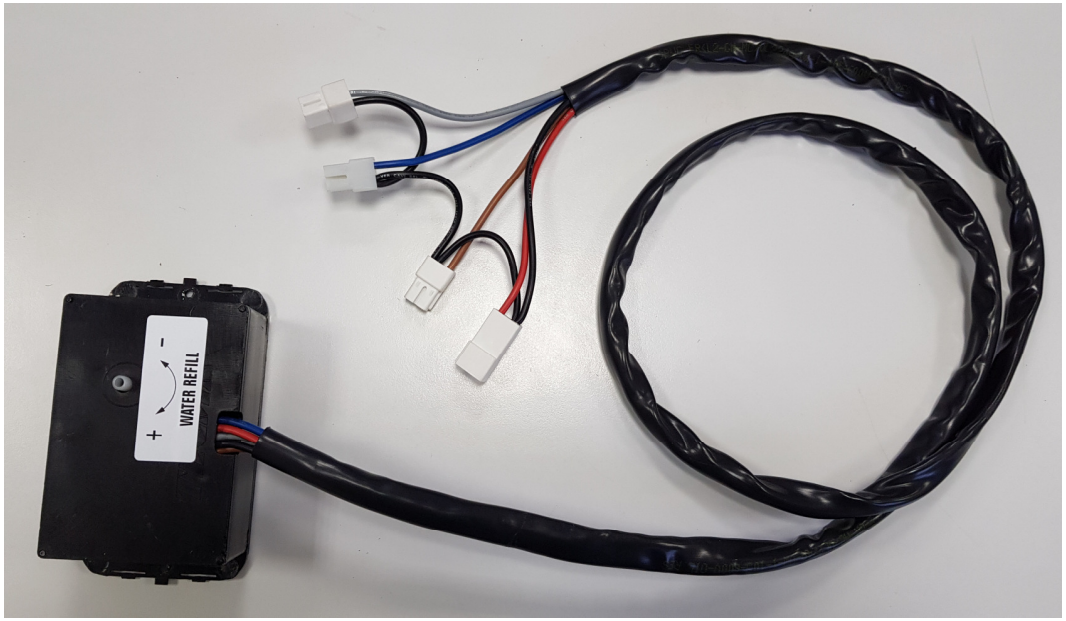
Installation (3/3)

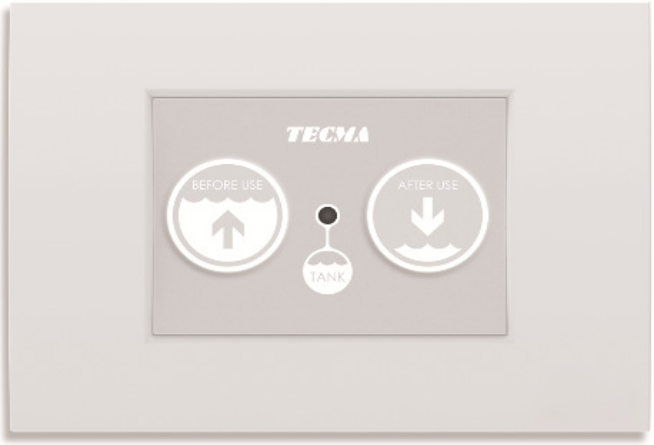
Controller connections (overview)

Electrical Connections (SFT)



Previous Electrical Connection





MULTIFRAME WITH SMART FLUSH TECHNOLOGY (SFT)

What's new?

Technology

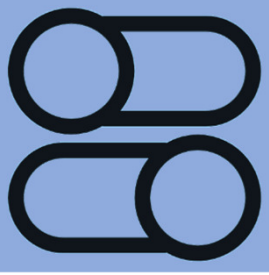
NEW

WILL BE

Digital technology
instead of analogical

Functions

NEW



WILL BE

Smart Flush Function
Overflow Protection (Inlet)
Easy Inlet water setting
Sensors: possibility of connecting mirus cell field sensors

Installation

NEW

WILL BE

Quick Interface Connector

Cosmetic and dimensions

AS IT IS

Same Cut Out

Functions (1/5)

Smart Flush Function

The pump stops running as soon as it remains without water. (No need of waiting 16s for last short flush)

Advantages

POWER REDUCTION

NOISE REDUCTION

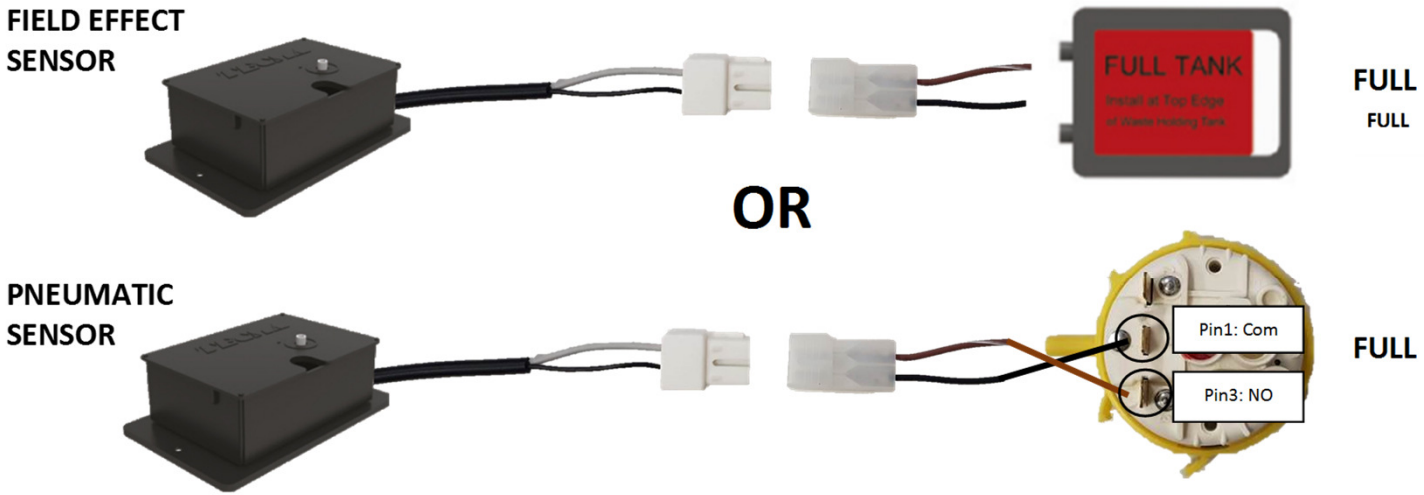
Overflow Protection (Inlet)

The control panel allows only two inlets of water afterward it is mandatory to flush

Functions (2/5)

Sensors

Possibility of connecting mirus cell field sensors besides pneumatic sensors

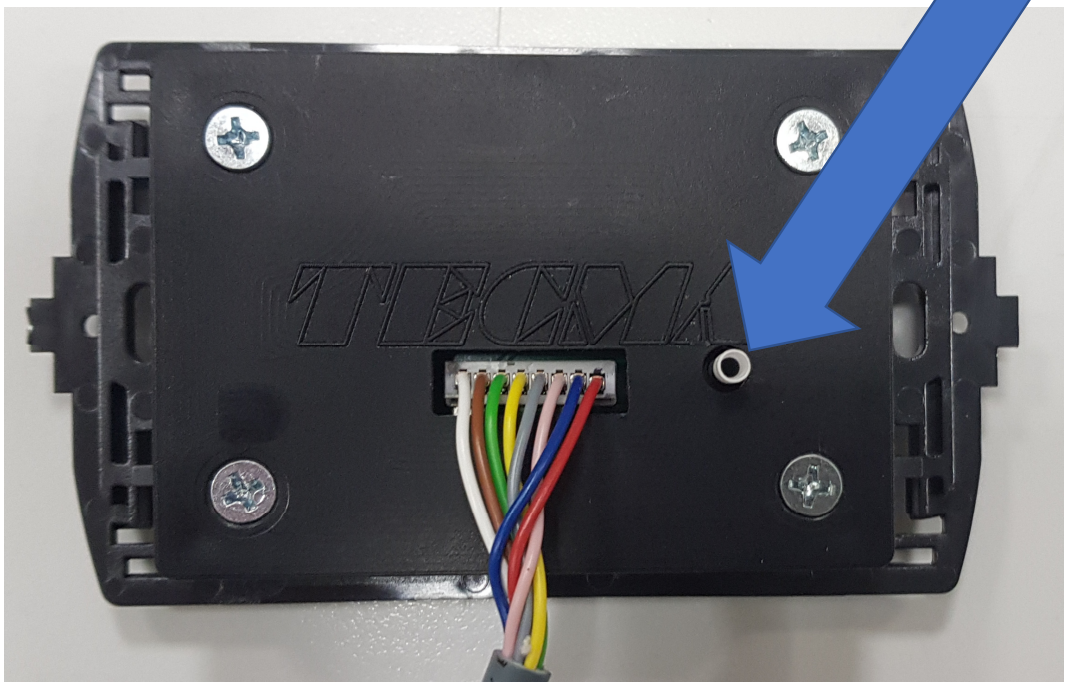


Note: Do not connect sensor connectors to any power source

Functions (3/5)

Easy Water Inlet Setting

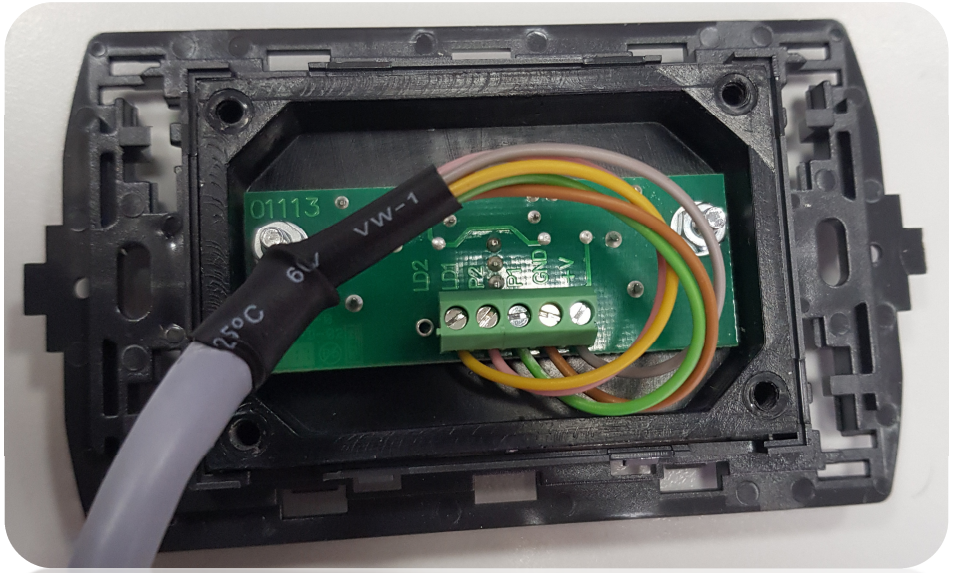
The quantity of the water inlet into the bowl can be set by a **trimmer** located on the backside of the wall switch.



Installation (4/5)

Previous interface connection

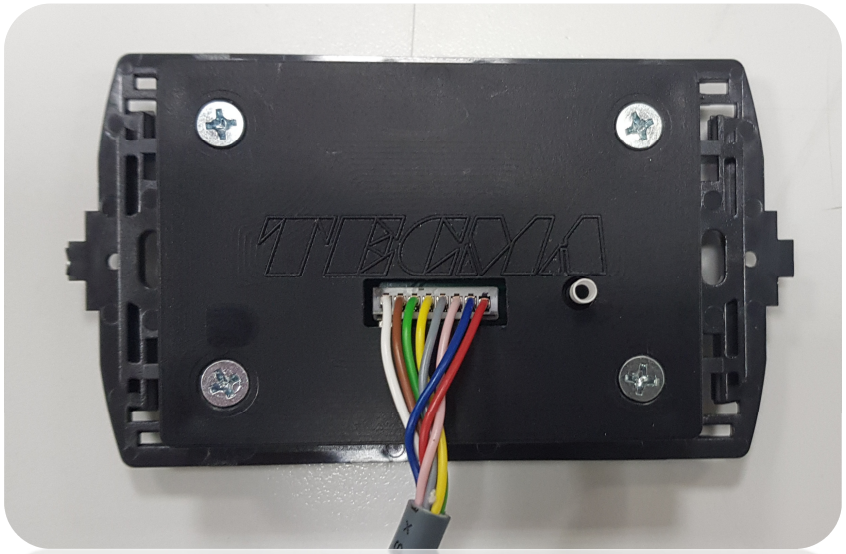
The connection between the controller and the wall switch **was** through a cable connected on an electrical terminal



Installation (5/5)

Quick Interface connector

The connection between the controller and the wall switch **will be** through a cable with a quick connector

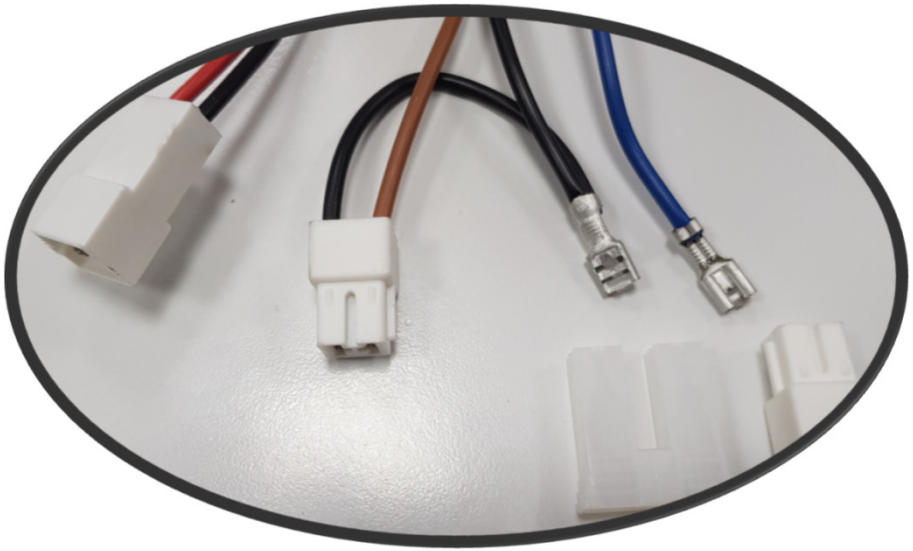


Installation (1/3)

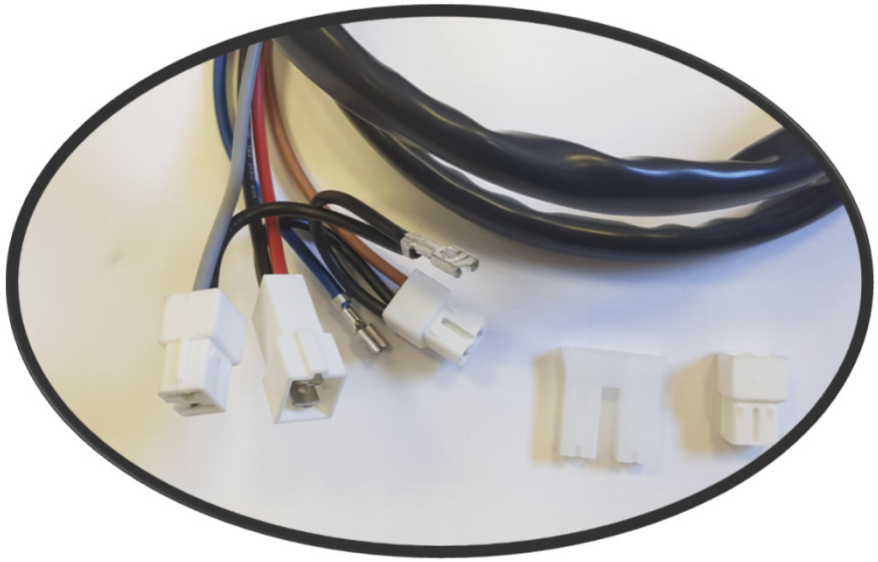
Controller connections (Power, Pump, Solenoid)

Power, Solenoid and Pump electrical connections and the lengths of cables will remain the same

Electrical Connections



Previous Electrical Connections

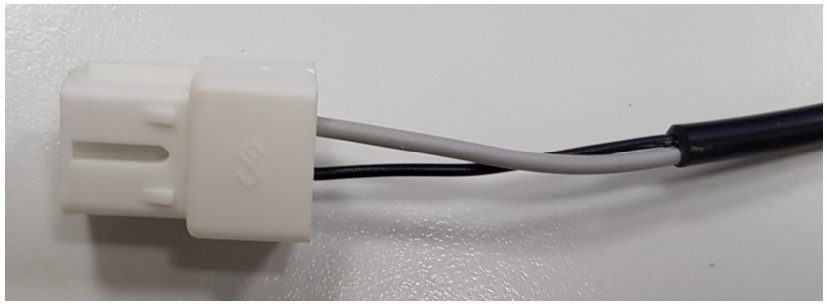


Installation (2/3)

Controller connections (Tank Sensors)

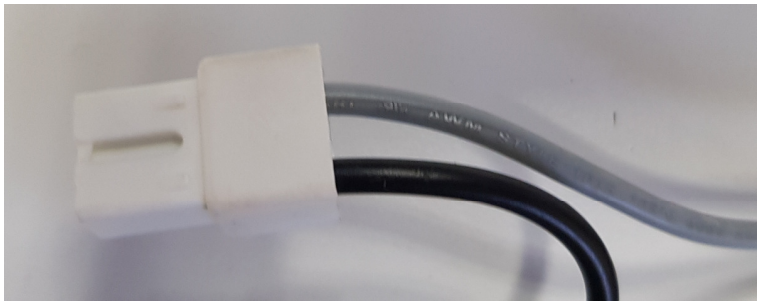
Same connector (grey – black) **but** on a shorter and independent cable of 30 cm

Electrical Sensors Connections (SFT)



Length of the wires 30 cm

Previous Electrical Connection



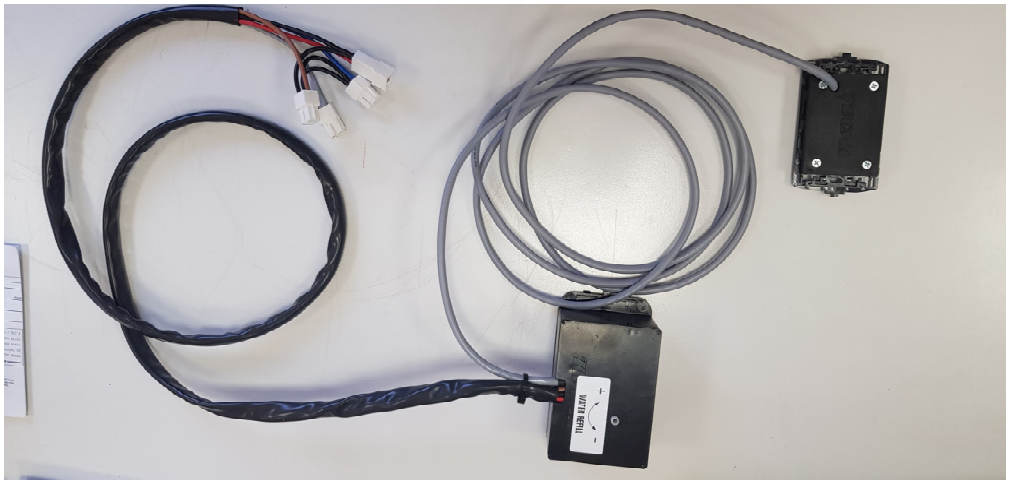
Length of the wires 150 cm

Installation (3/3)

Controller connections (overview)

Electrical Connections (SFT)

Previous Electrical Connection



TOUCH WITH SMART FLUSH TECHNOLOGY (SFT)

THETFORD Marine

TECMA

What's new?

Technology

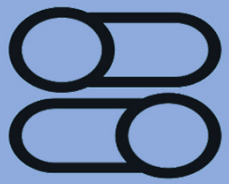
NEW

WILL BE

Digital technology
instead of analogical

Functions

NEW

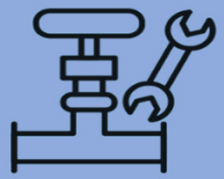


WILL BE

Moring or Sailing mode
Smart Flush Function
Overflow Protection (Inlet)
Easy Inlet water setting
Sensors: possibility of connecting mirus field sensors
Backlight

Installation

NEW



WILL BE

Quick Interface Connector

Cosmetic and dimensions

AS IT IS

Same Cut Out

Functions (1/5)

Smart Flush Function

The pump stops running as soon as it remains without water. (No need of waiting 16s for last short flush)

Advantages

POWER REDUCTION

NOISE REDUCTION

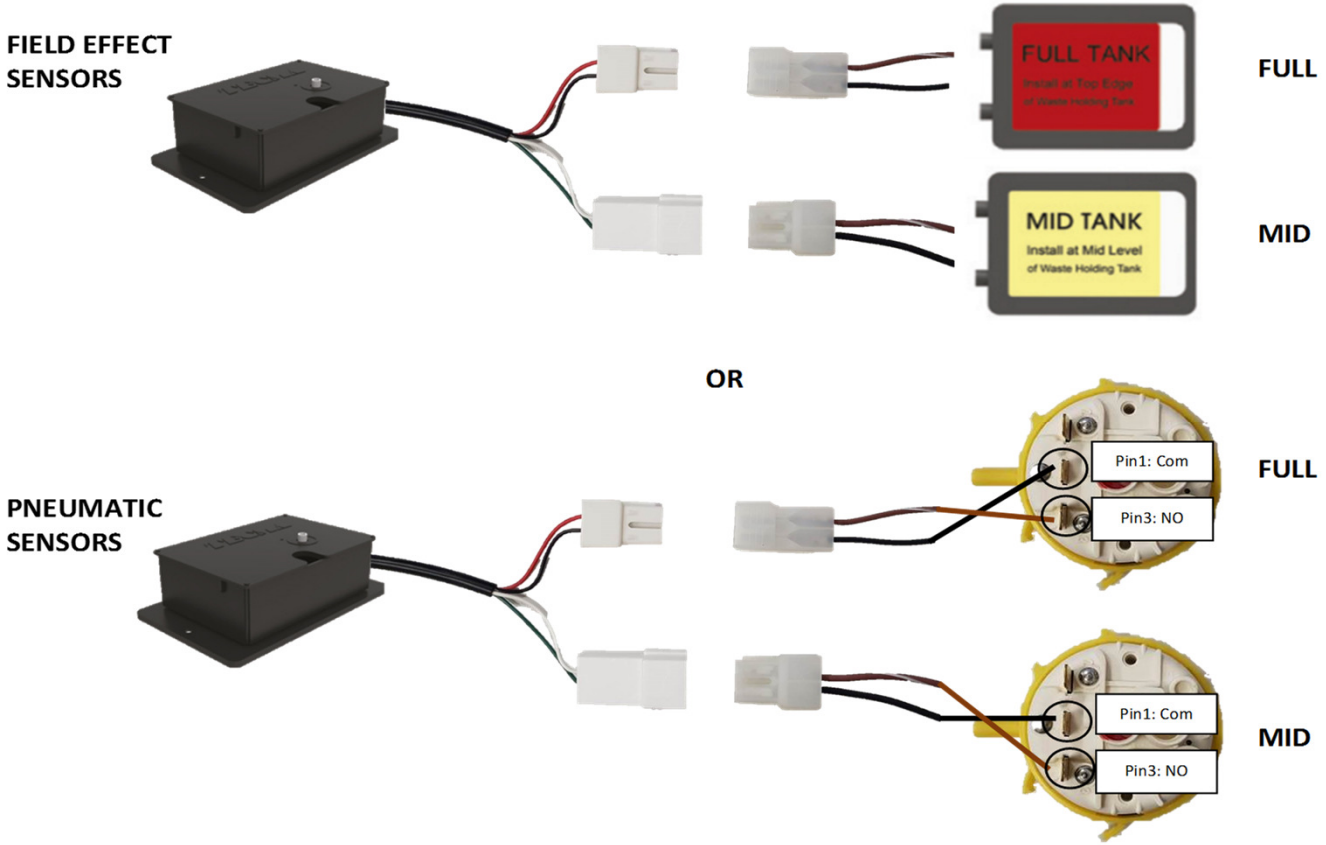
Overflow Protection (Inlet)

The control panel allows only two inlets of water afterward it is mandatory to flush

Functions (2/5)

Sensors

Possibility of connecting mirus cell field sensors (mid and full tank) besides pneumatic sensors



Functions (3/5)

Moring/Sailing Mode Programming

Easy programming for switching from moring to sailing mode and vice-versa

MORING

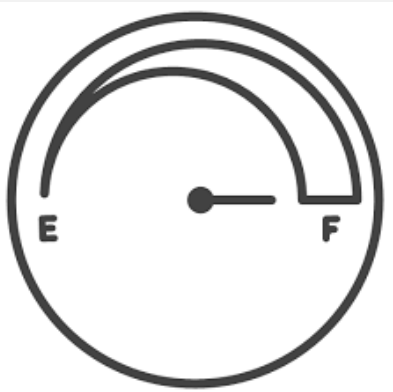
SAILING

Easy Water Inlet Setting

The quantity of the water inlet into the bowl can be set by a **trimmer** located on the backside of the wall switch

Tank Overflow Protection

The water inlet function is disabled when the tank is full.



Functions (4/5)

Pump Manual Activation

The macerator pump can be activated without in-letting water into the bowl

Cleaning Function

Temporarily disabling of the buttons for cleaning the glass

Shower Protection

Temporarily disabling of the buttons for avoiding accidental activations

Functions (5/5)

Reset

To reset system functions

Programmable Backlight

Always on
Always off
Activated by a proximity sensor (default)

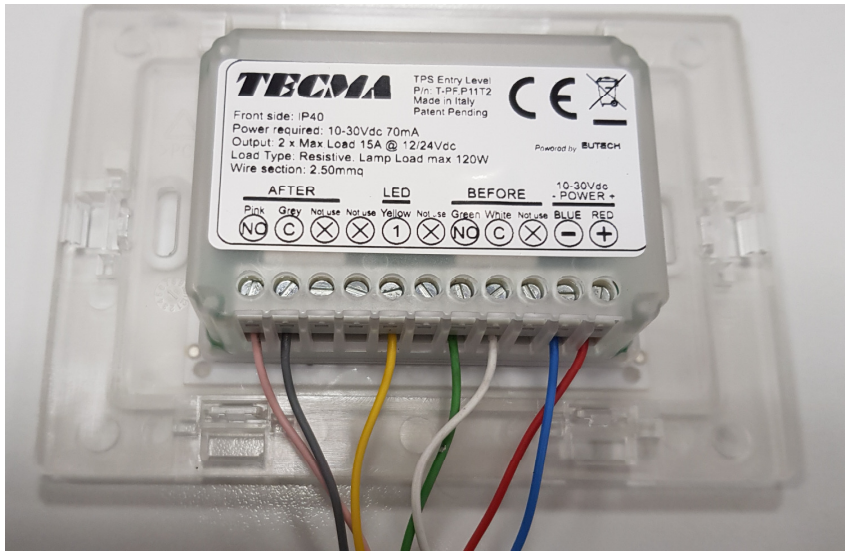
Internal Electrical Protection

Internal resettable electrical protection

Installation (1/5)

Previous interface connection

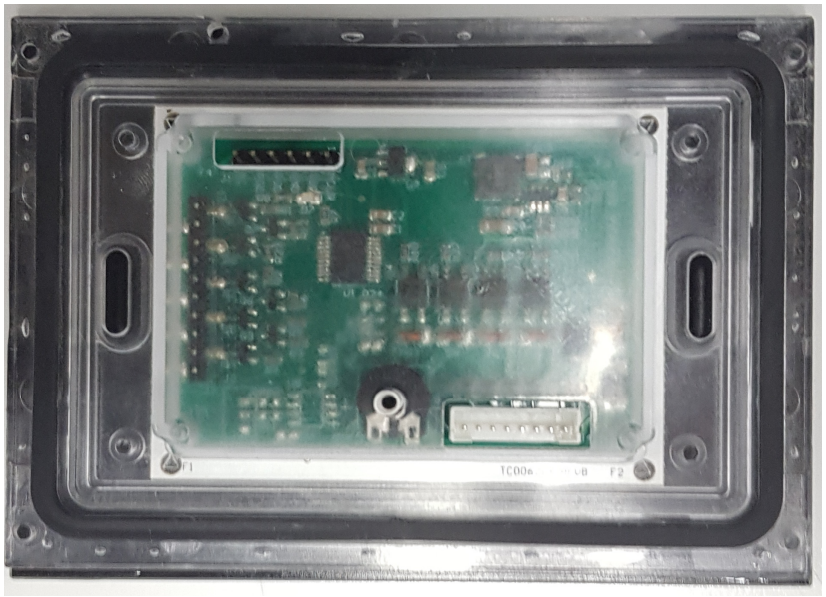
The connection between the controller and the wall switch **was** through a cable connected on an electrical terminal

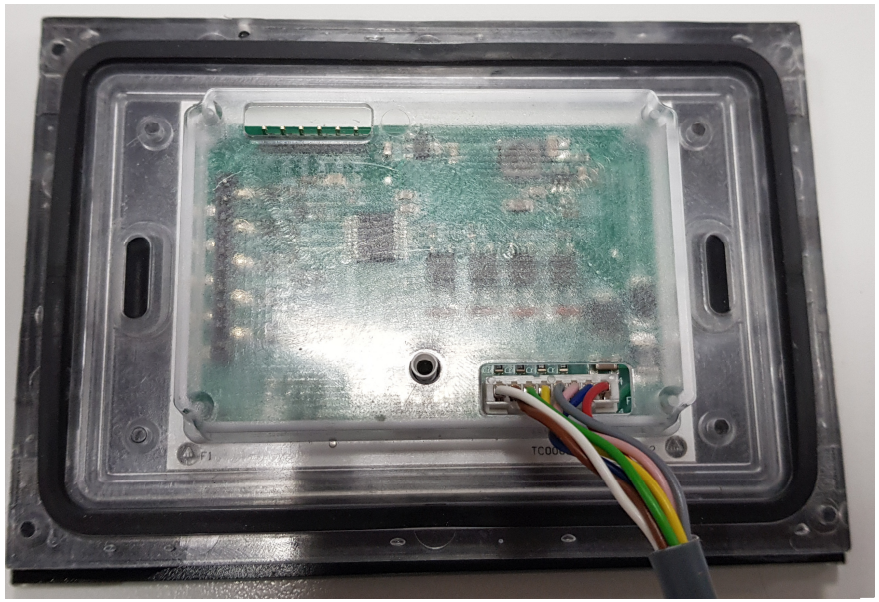


Installation (2/5)

Interface quick connector

The connection between the controller and the wall switch **will be** through a cable with a quick connector





Installation (3/5)

Interface Gasket

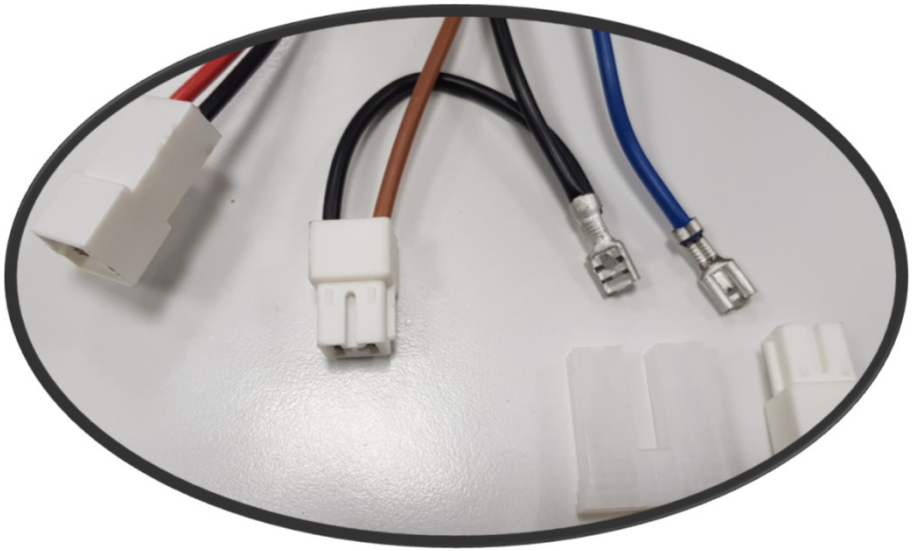
The control panel has a gasket on the backside which increase the protection against water infiltrations.

Installation (4/5)

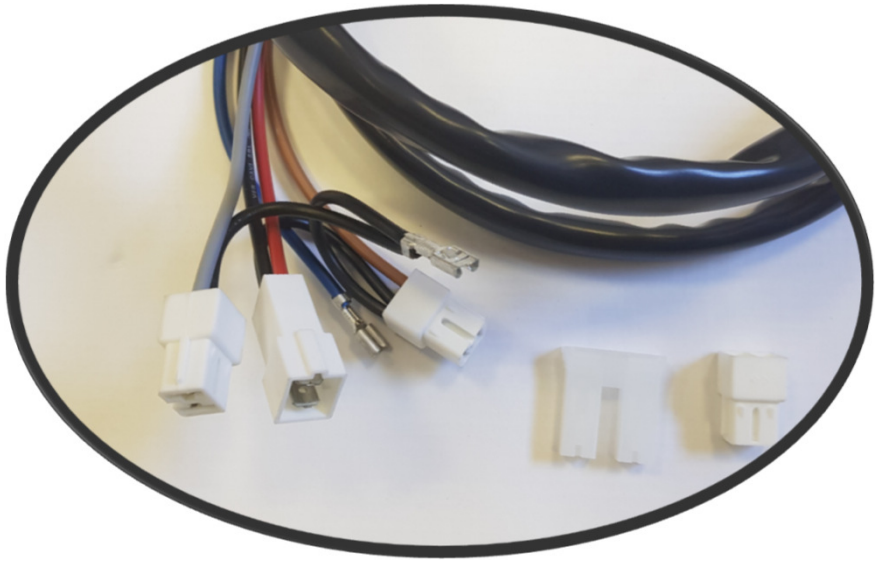
Controller connections (Power, Pump, Solenoid)

Power, Solenoid and Pump electrical connections and the lengths of cables will remain the same

Electrical Connections (SFT)



Previous Electrical Connections

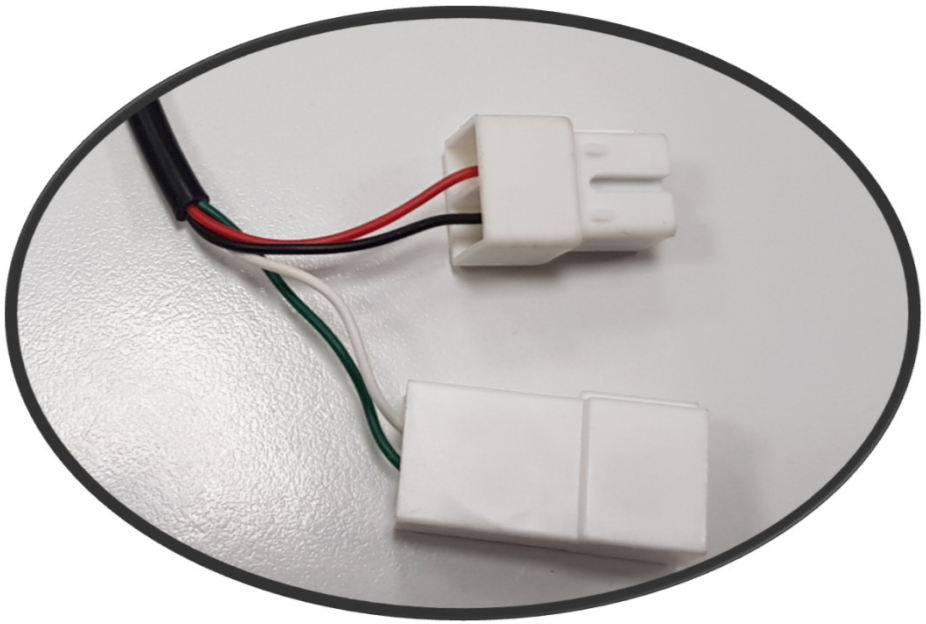


Installation (5/5)

Controller connections (Tank Sensors)

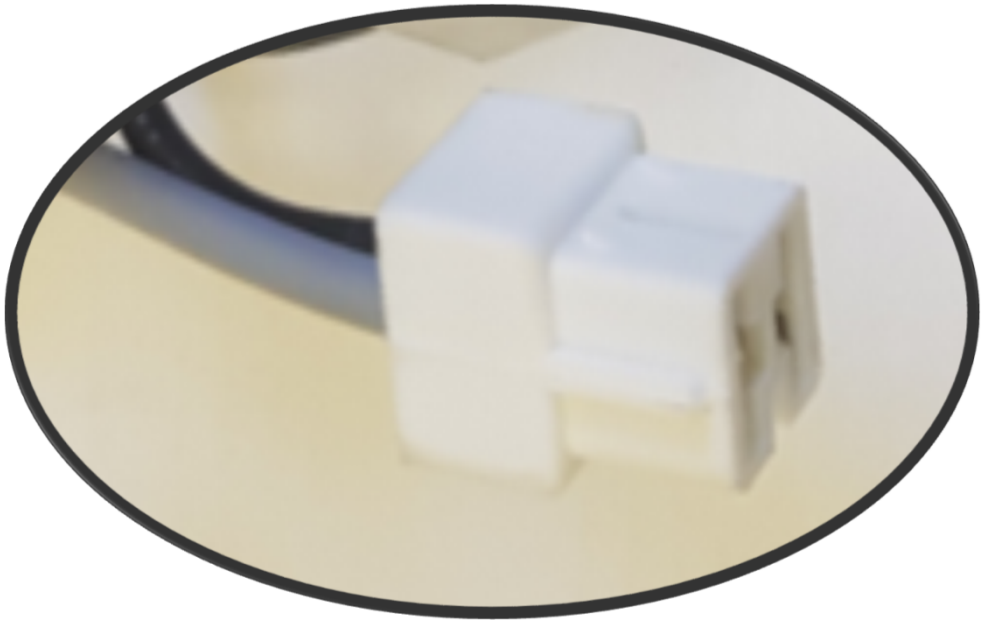
Two electrical connections, for full and mid tank sensors. Wires of 30 cm length instead of 150 cm

Electrical Sensors Connections (SFT)



Length of the wires 30 cm

Previous Sensor Connection



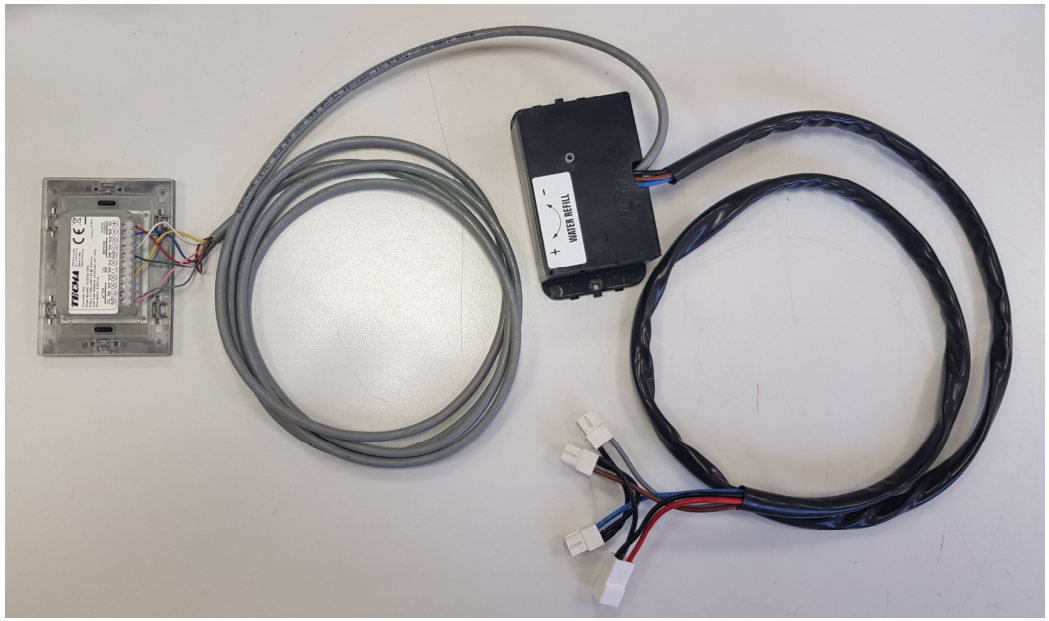
Length of the wires 150 cm

Installation (3/3)

Controller connections (overview)

Electrical Connections (SFT)

Previous Electrical Connections



CONTROL PANELS OVERVIEW

CURRENT CONTROL PANELS PORTFOLIO

Standard

Standard control panel all-in-one.

Standard

Standard control panel all-in-one.

Multiframe

Compatible with all commercial bezels: **B-Ticino, Vimar, Gewiss, ABB, AVE.**

Multiframe

Compatible with all commercial bezels: **B-Ticino, Vimar, Gewiss, ABB, AVE.**

Argent

Elegant metal pushbutton.

Argent

Elegant metal pushbutton.

Touch

Ultimate hi-tech glass touch panel.

Touch

Ultimate hi-tech glass touch panel.

Premium
And
Premium Plus

Patented silicon pad control panel with software.

Premium Touch

Ultimate patented hi-tech glass touch panel with software.

THETFORD Marine

TECMA

CURRENT CONTROL PANELS PORTFOLIO

Standard

Standard control panel all-in-one.

Standard

Standard control panel all-in-one.

Multiframe

Compatible with all commercial bezels: **B-Ticino, Vimar, Gewiss, ABB, AVE.**

Multiframe

Compatible with all commercial bezels: **B-Ticino, Vimar, Gewiss, ABB, AVE.**

Argent

Elegant metal pushbutton.

Argent

Elegant metal pushbutton.

Touch

Ultimate hi-tech glass touch panel.

Touch

Ultimate hi-tech glass touch panel.

Premium
And
Premium Plus

Premium Touch

Ultimate patented hi-tech glass touch panel with software.

2020 CONTROL PANELS PORTFOLIO

Standard

Standard control panel all-in-one.

Standard

Standard control panel all-in-one.

Multiframe

Compatible with all commercial bezels: **B-Ticino, Vimar, Gewiss, ABB, AVE.**

Touch SFT

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TECMA

COMPACT LINE CONTROL PANELS OVERVIEW

THETFORD Marine

TECMA

CURRENT CONTROL PANELS PORTFOLIO

Eco rocker switch

Premium Plus control panel

2020 CONTROL PANELS PORTFOLIO

Standard

Standard control panel all-in-one.

Standard

Standard control panel all-in-one.

Eco rocker switch

Multiframe

Compatible with all commercial bezels: **B-Ticino, Vimar, Gewiss, ABB, AVE.**

Touch With Smart Flush

Smart Flush Technology, backlight, two sensors, overflow protection

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