

Product line	Design / Flexi Line 2G / Compact Line
Collection	TANK SENSOR

## Installation of tank sensor with the digital Tecma Control Panel SFT range (Smart Flush Technology)

### General Note:

The sensor wiring of the control units, both in the standard one-level version (grey / black), and in the two-level version (red / black and white / green) have a voltage of 7V.

You can connect:

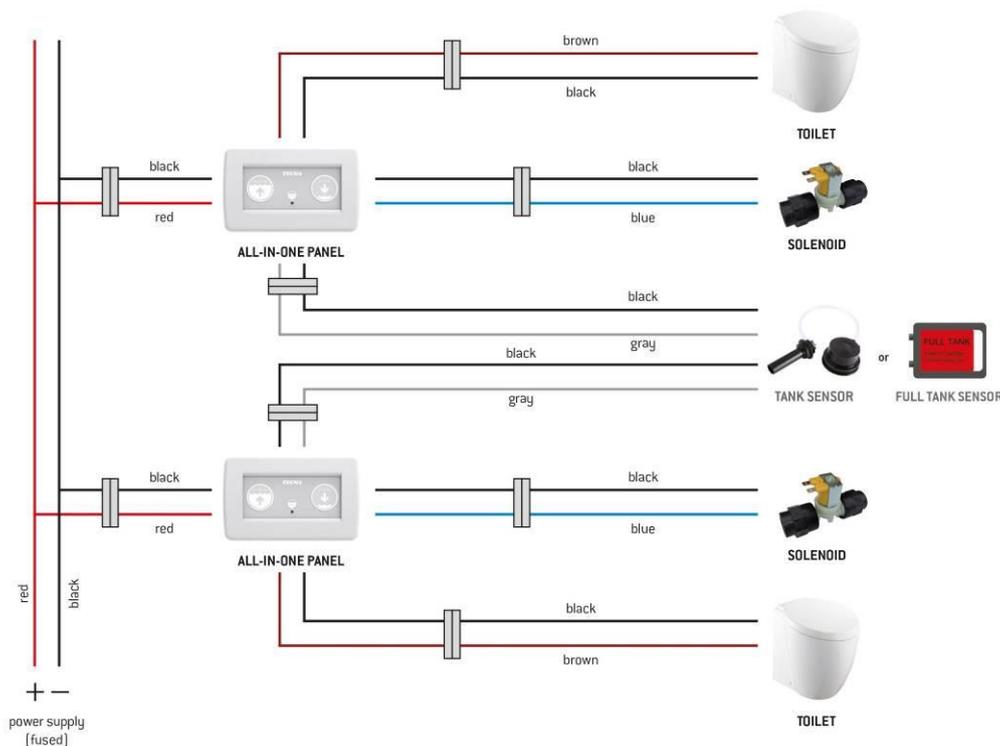
- Sensors with clean contact (float, with pressure switch or similar) which close the contact between the two pins of the connector.
- Electronic sensors with the following specifications:
  - Power 7V.
  - Electrical absorption 12,75 mA +/- 1 mA when the sensor is un-activated and 22,75 mA +/- 1 mA when activated.



**WARNING:** In any case, external voltage must not be brought to the sensor wiring.



**NOTE:** For the compatibility of the control units with other types of sensors or for the use of connections other than those indicated in the wiring diagrams, contact the Tecma.



PRODUCT INFORMATION SHEET

**TANK SENSOR**

Connection Guide:

- All In One SFT / Multiframe SFT: One level

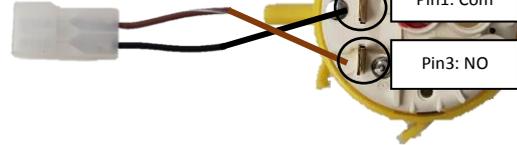
**FIELD EFFECT SENSOR**



**FULL**  
**FULL**

OR

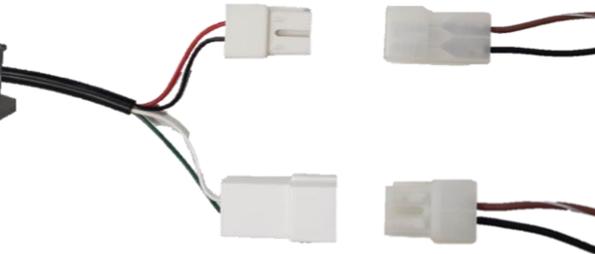
**PNEUMATIC SENSOR**



**FULL**

- Touch Multifunction SFT: Two levels

**FIELD EFFECT SENSORS**



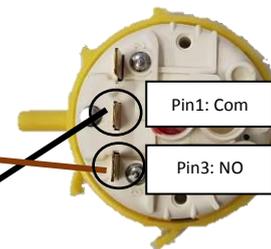
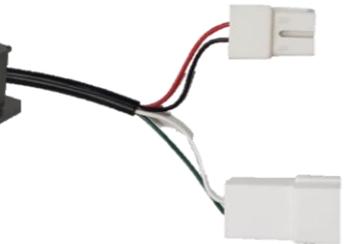
**FULL**



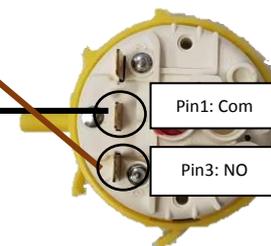
**MID**

OR

**PNEUMATIC SENSORS**



**FULL**



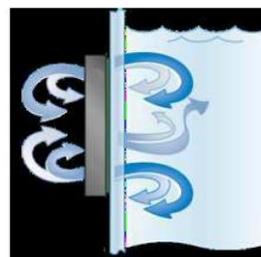
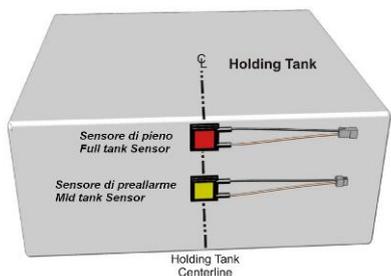
**MID**

<b>Product line</b>	Design / Flexi Line 2G / Compact Line
<b>Collection</b>	FIELD EFFECT FULL TANK SENSOR
<b>Code</b>	T-PF.PE81
<b>Collection</b>	FIELD EFFECT MID TANK SENSOR
<b>Code</b>	T-PF.PE82

T-PF.PE81

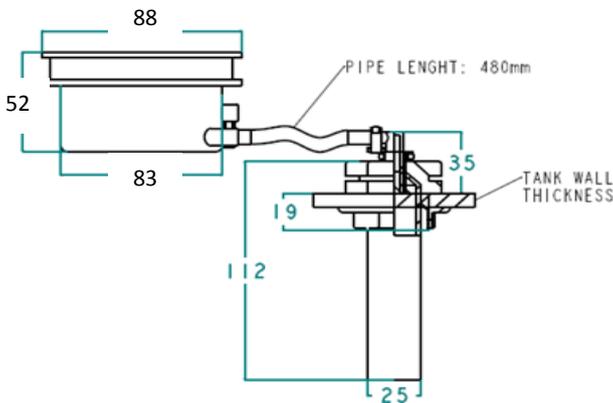
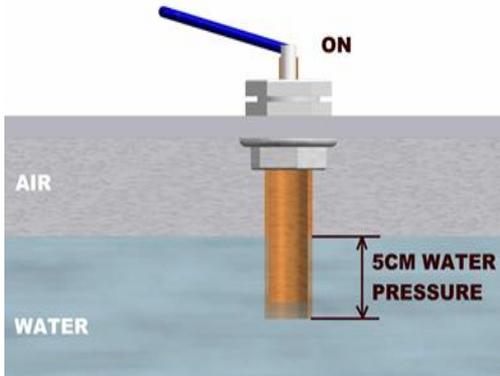


T-PF.PE82



<b>Features</b>	<p>Can be connected to all Tecma Control Panels for monitoring one level of the waste water tank</p> <p>TECMA field-effect sensor provides accurate, early warning about critical holding tank fluid levels. It uses field-effect sensing technology to detect fluids through plastic tank walls up to 10 mm thick. No need to drill or pierce the tank, no seals to maintain, no loss of tank structural integrity. The sensor adhesively attaches to tank exterior. Detect liquid through tank wall by transmitting a different current level to TECMA microcontroller.</p>
<b>Specifications of the pressure switch</b>	<ul style="list-style-type: none"> <li>- Senses aqueous solutions through plastic walled tanks up to 10 mm thick</li> <li>- Sensor size: 50.5mm x 38.75mm x 6.75mm</li> <li>- 12 to 24v DC normal operating voltage</li> <li>- 8 seconds fluid sensing before activation</li> <li>- 4 seconds without momentary activation before switching off</li> <li>- Strong foam tape for mounting</li> <li>- Unaffected by moisture or vibration</li> <li>- RoHS compliant</li> </ul>
<b>Installation to one control panel (All In One SFT, Multiframe 2P SFT, Touch Multifunction SFT)</b>	<p>To connect the pins of the sensor with the wires of the control panel:</p> <p>All In One / Multiframe:</p> <ul style="list-style-type: none"> <li>- Grey (control panel) with Brown (sensor)</li> <li>- Black (control panel) with Black (sensor)</li> </ul> <p>Touch Multifunction SFT Full:</p> <ul style="list-style-type: none"> <li>- Red (control panel) with Brown (sensor)</li> <li>- Black (control panel) with Black (sensor)</li> </ul> <p>Touch Multifunction SFT Mid:</p> <ul style="list-style-type: none"> <li>- White (control panel) with Brown (sensor)</li> <li>- Green (control panel) with Black (sensor)</li> </ul>
<b>Installation to more than one control panel (All In One SFT, Multiframe 2P SFT, Touch Multifunction SFT)</b>	<p>Connect (in parallel) all the wires with the same colour (polarity) from the control panels to the respective wires of the sensors (see the schematics as example).</p>
<p><b>NOTE:</b> For the use of connections other than those indicated in the wiring diagrams, contact the Tecma.</p>	

<b>Product line</b>	Design / Flexi Line 2G / Compact Line
<b>Collection</b>	SINGLE PNEUMATIC TANK SENSOR
<b>Code</b>	T-PF.P07

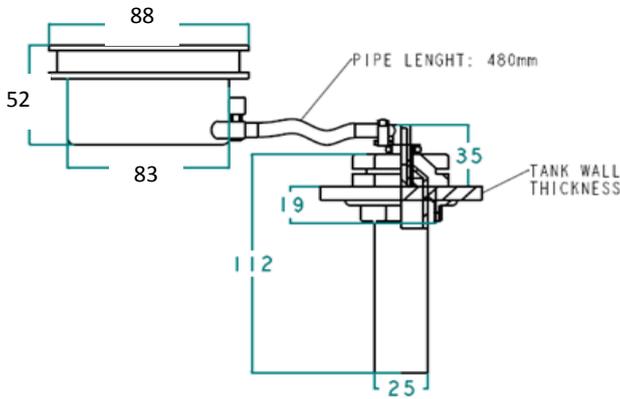
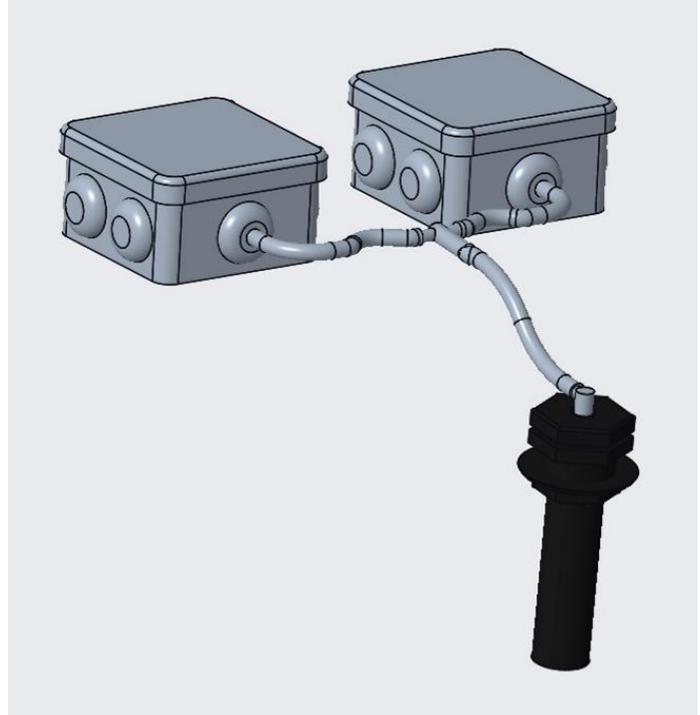
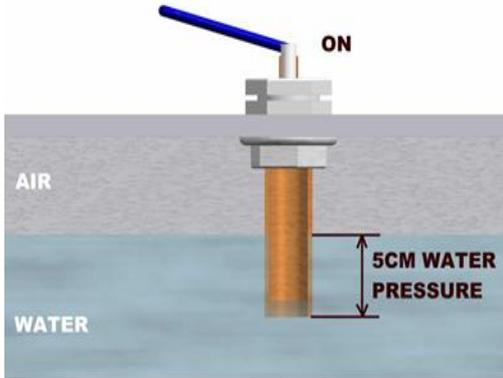


<b>Features</b>	Can be connected to all Tecma Control Panels for monitoring one level of the waste water tank Activation with 5 cm of water
<b>Specifications of the pressure switch</b>	
One pressure switch with contact:	Normally open
Max Voltage:	250V AC
Resistive load max:	16 A
Motor load max:	4 A
<b>Installation to one control panel (All In One SFT, Multiframe 2P SFT, Touch Multifunction SFT)</b>	
	To connect the pins of the sensor with the wires of the control panel:  All In One / Multiframe: <ul style="list-style-type: none"> <li>- Grey (control panel) with Pin 3 (pneumatic sensor)</li> <li>- Black (control panel) with Pin 1 (pneumatic sensor)</li> </ul> Touch Multifunction SFT Full: <ul style="list-style-type: none"> <li>- Red (control panel) with Pin 3 (pneumatic sensor)</li> <li>- Black (control panel) with Pin 1 (pneumatic sensor)</li> </ul> Touch Multifunction SFT Mid: <ul style="list-style-type: none"> <li>- White (control panel) with Pin 3 (pneumatic sensor)</li> <li>- Green (control panel) with Pin 1 (pneumatic sensor)</li> </ul>
<b>Installation to more than one control panel (All In One SFT, Multiframe 2P SFT, Touch Multifunction SFT)</b>	
Connect (in parallel) all the wires with the same colour (polarity) from the control panels to the respective wires of the sensors (see the schematics as example).	<p>grey from control panel 1</p> <p>grey from control panel 2</p> <p>grey from control panel 3</p> <p>connect all grey wires from control panels</p> <p>black from control panel 1</p> <p>black from control panel 2</p> <p>black from control panel 3</p> <p>connect all black wires from control panel</p> <p>tank pneumatic sensor</p>
<b>NOTE: For the use of connections other than those indicated in the wiring diagrams, contact the Tecma.</b>	

PRODUCT INFORMATION SHEET

TANK SENSOR

Product line	Design / Flexi Line 2G / Compact Line
Collection	DOUBLE PNEUMATIC TANK SENSOR
Code	T-PF.P07C



<b>Features</b>	Can be connected to all Tecma Control Panels for monitoring one level of the waste water tank Activation with 5 cm of water
<b>Specifications of the pressure switch</b>	
One pressure switch with contact:	Normally open
Max Voltage:	250V AC
Resistive load max:	16 A
Motor load max:	4 A
<b>Installation to one control panel (All In One SFT, Multiframe 2P SFT, Touch Multifunction SFT)</b>	
	To connect the pins of the sensor with the wires of the control panel:  All In One / Multiframe: <ul style="list-style-type: none"> <li>- Grey (control panel) with Pin 3 (pneumatic sensor)</li> <li>- Black (control panel) with Pin 1 (pneumatic sensor)</li> </ul> Touch Multifunction SFT Full: <ul style="list-style-type: none"> <li>- Red (control panel) with Pin 3 (pneumatic sensor)</li> <li>- Black (control panel) with Pin 1 (pneumatic sensor)</li> </ul> Touch Multifunction SFT Mid: <ul style="list-style-type: none"> <li>- White (control panel) with Pin 3 (pneumatic sensor)</li> <li>- Green (control panel) with Pin 1 (pneumatic sensor)</li> </ul>
<b>Installation to more than one control panel (All In One SFT, Multiframe 2P SFT, Touch Multifunction SFT)</b>	
Connect (in parallel) all the wires with the same colour (polarity) from the control panels to the respective wires of the sensors (see the schematics as example).	<p>grey from control panel 1</p> <p>grey from control panel 2</p> <p>grey from control panel 3</p> <p>connect all grey wires from control panels</p> <p>black from control panel 1</p> <p>black from control panel 2</p> <p>black from control panel 3</p> <p>connect all black wires from control panel</p> <p>tank pneumatic sensor</p>
<b>NOTE: For the use of connections other than those indicated in the wiring diagrams, contact the Tecma.</b>	

PRODUCT INFORMATION SHEET

TANK SENSOR

Product line	NK/NKS
Collection	LEVEL SENSOR 12 V / 24 V
Code	T-PF.P36



<b>Features</b>	Used in combination with the Sanisplit for monitoring Sanisplit tank water level. (Overflow of the system)
	Can be connected to an audible alarm
	Can be installed directly on the inlet hoses (DN 40)
	Activation with 5 cm of water
<b>Specifications of the pressure switch</b>	
One pressure switch with contact:	Normally open
Max Voltage:	250V AC
Resistive load max:	16 A
Motor load max:	4 A