OMNICOMM

Omnicomm ICON Display

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Omnicomm ICON Display

General Information

Omnicomm ICON display is intended to display various parameters, including:

- Fuel volume in the fuel tanks
- Refueling volume
- Temperature according to the external temperature sensor readings
- Fuel volume dispensed from the fuel-servicing truck (only in conjunction with the Omnicomm Profi terminal)
- Reading from the Omnicomm terminal universal inputs
- Driver's status
- Driver name / registration
- Vehicle speed
- Current time
- Dispatcher's message
- Engine hours

Omnicomm ICON Display is applicable:

- in fleet monitoring systems, both with GPS/GLONASS terminals connection and separately with fuel level sensors
- with Omnicomm terminals 2.0 and later and with third generation built-in software (302 and later)
- with third-party terminals that support the Omnicomm ICON communication protocol
- only with fuel level sensors using the Omnicomm LLS protocol and provided with the RS-485 interface

While carrying out installation, observe the safety rules and regulatory requirements for this type of work.

Screen controls and navigation

Omnicomm ICON display has 5 built-in buttons. To use the button you need, press the display body frame.



Screen chart

Main screen navigation map:



To monitor refueling, a driver's status "Refueling" is implemented (see <u>Refueling volume</u> <u>monitoring</u>).

Technical Specifications

Parameter	Value
Power supply voltage, V	From +8 to +35
Power consumption, W	maximum 2 maximum 15 (when heated)
Type of output interface	RS-485
1-wire interface	iButton protocol
Omnicomm LLS sensors number	4
Baud rate through the RS-485 interface, bit/s	19,200 bit/s
Brightness	4 levels
Diagonal, inch	3,97
Resolution, dots	480 x 800
Active zone, mm	51,84 x 86,40
Sound notification volume	5 levels
Operating temperature range, °C	From -30 to +80
Ingress protection rating	IP51
Overall dimensions, mm	112,8 x 63,6 x 19,2

Parameter	Value
Weight, kg	maximum 0.2 kg
Average service life	8 years

Setting

Before setting the Omnicomm ICON display, disconnect the Omnicomm LLS fuel level sensors.

Connect the Omnicomm ICON display to a PC using Omnicomm UNU-USB adapter according to the diagram:



Run Omnicomm Configurator:

F	ICON FW: 15075	CALIBRATION TABLES	Service - ?
Sensor	Connection	Fuel level sensors	•
Terminal	Fuel level sensor operation mode	No automatic output	•
	ICON network address	240	
Indicator	✓ Used tanks + Add tank		
	Tank No. 1 Fuel level sensor No. 1	Tank No. 2	Fuel level sensor No. 2
	 Display mode Respond to threshold exceeding 		
	Fuel volume screen		
	Total in tanks		
የያሳ	SAV	E Ctrils	

Select equipment – "Indicator".

- "Connection" select the equipment to which the Omnicomm ICON display is connected. Possible options: Fuel Level Sensor, Terminal
- "Fuel level sensor operating mode" select the data output mode for an LLS fuel level sensor. Possible options: automatic data output, no automatic data output
- "ICON network address" set the Omnicomm ICON display network address. Default value – 240

The "Used tanks" section is described in the <u>Calibration</u> subsection.

In the "Display mode" section:

- "Authorization required" check the box to enable driver identification using the MIFARE Ultralight card. For successful identification the terminal should be configured according to the terminal user manual, the <u>Omnicomm ICON Display</u> section
- "Respond to threshold exceeding" check the box to enable sound notification when registering the event set according to the <u>Parameters display on the screen</u> subsection
- "Slideshow" check the box to enable automatic switching of the main screens in slideshow mode. Configure the main screens according to the <u>Parameters display on</u> <u>the screen</u> subsection

• Press the "Record into device" button

Calibration

Omnicomm ICON display supports up to 4 fuel tanks. The maximum number of Omnicomm LLS fuel level sensors is 4.

F	ICON FW: 15075		CALIBRATION TABLE	S FI Service - ?
Sensor		Connection	Terminal	•
Terminal		ICON network address	240	
Indicator	✓ Used tanks + A	Add tank		
	Tank No. 1	Fuel level sensor No. 1	Tank No. 2	Fuel level sensor No. 2
	► Display mode Identification requ Farameter display Screen №1	ired Slidesho / on screen . Add screen	~	×
	5/29/2019 5:02 PM			nov
	Tank 2		Tank 1	
	1-wire 1 temn	ierature	Total in tanks	>
የያሳ		SAVI	ECHIS	

To add calibration tables for fuel level sensors, in the "Used tanks" section press the "Add tank" button.

A window will open, where you select a .ctb file with calibration tables for Omnicomm LLS fuel level sensors.

To view and edit the calibration tables, press the "Calibration tables" button.

				Add	line	Delete line
	ዋገ	← Calibrati	on table			
	Sensor	Tank 1	Liters	Sensor No. 2		
			0	0		
	Terminal	ninal Tank 2	200	69	+ ×	
	::::		300	279		
Clear un table	Indicator		400	490		
Clear up table			500	698		
			600	906		
Export calibration table			700	1114		
			800	1313		
Calibration table schedule —	龄	r 🖪 🖡	りし			SAVE CHIS

Parameters Display on the Screen

Omnicomm ICON display supports up to 30 main screens with different sets of parameters (only when connected to a terminal). For each main screen you can select up to 5 parameters. To display the parameters, configure the display according to the Omnicomm terminals user manual.

		Add main screen	
Select main	Parameter display on sc Screen Nº1	reen	X
screen	5/29/2019 5:02 PM		Livanov
	Tank 2	Tan	×1 >
Add parameters to	1-wire 1 temperature	Total in	tanks
main screen		ADD PARAMETER	

List of parameters:

- Temperature of 1-wire 1..8 temperature from the sensors connected to the terminal. Values for 8 temperature sensors may be displayed
- UI1..6 reading from the terminal universal input. Values for 6 universal inputs may be displayed
- Speed vehicle speed according to the terminal readings
- Number of the tank
- Total fuel volume in the tanks
- USS fuel volume dispensed through the dispensing gun of the fuel-servicing truck when using the PPO-USS device (only for Omnicomm Profi)
- Engine hours value of engine hours

Press "Add parameter".

Editing parameter	
Name	1-wire 2 tempera 🔻
Code	20
Min threshold	
Max threshold	
1	
[CANCEL

For each parameter, specify:

- Units of measurement units of measurement for the parameter. Select the units of measurement from the list or add your own by selecting "Other". Enter the unit of measurement in the "Unit name" field
- Measurement accuracy select the number of digits after decimal point to display. Possible values: 1, 2, 3
- Minimum threshold enter the minimum value of the measured parameter
- Maximum threshold enter the maximum value of the measured parameter
- Sound notification enable/disable sound notification if thresholds of monitored parameters are exceeded
- SMS sending enable/disable SMS sending if thresholds of monitored parameters are exceeded

Arrange the parameters by holding down the left mouse button and moving the parameter to the desired location:



To add a main screen press "Add screen".

If you change the connection type to the "Fuel level sensor", the configured main screens will be deleted.

Driver's Status

The Omnicomm ICON display supports up to 10 driver's statuses.

In the "States" section:

✓ Statuses + Add status	
]×
]×
DELOVERED]×

Press "Add status".

Enter the status in words and press the "Record into device" button.

The "Refueling" status is always present in the Omnicomm ICON display and used to monitor the refueling volume.

Brightness

To adjust brightness when the main screen is displayed, press and hold the corresponding button:



The program finishes the brightness adjustment and switches to the main screen automatically in a few seconds, or you can do it by left-clicking the mouse.

Installation

Notification Volume

To adjust volume when the main screen is displayed, press and hold the corresponding button:



The program finishes the volume adjustment and switches to the main screen automatically in a few seconds, or you can do it by left-clicking the mouse.

Installation

We recommend that you install an Omnicomm ICON display on a magnetic holder or fasten it with a double-sided adhesive tape. The display may also be installed using self-tapping screws:



When identification with RFID card is used, fasten the RFID holder to the display using self-tapping screws. To do this, unscrew the self-tapping screws with a screwdriver PH1 and remove the plate.



Fasten the display with the RFID holder on a magnetic holder or a flat surface using a double-sided adhesive tape.



Dismantling the Omnicomm ICON display fastened with a double-sided adhesive tape, use a knife or an equivalent tool and be very careful.

Connection

Connect an Omnicomm LLS sensor to the Omnicomm ICON display according to the diagram:



Several Omnicomm LLS sensors shall be connected in parallel via the RS-485 interface according to the diagram:



Connect an Omnicomm Profi terminal to the Omnicomm ICON display according to the diagram:



Connect an Omnicomm Optim, Light or Smart terminal to the Omnicomm ICON display according to the diagram:



Functions and colors of the wires in the Omnicomm ICON display:

Name of Signal	Type of Wire
Vehicle power supply voltage	Red
Ground (negative) for power supply	Purple
Line A RS-485	Blue
Line B RS-485	Grey
Panic Button	Orange
1wire / iButton	Yellow-green

When using Omnicomm ICON to identify a driver, wire 1wire/iButton should not be connected to the terminal.

Displayed Parameters

Displayed Parameters

The following parameters are displayed on the Omnicomm ICON display connected to the fuel level sensors:

• Total fuel volume in the fuel tanks



The following parameters are displayed on the Omnicomm ICON display connected to a terminal:

- Fuel volume in the fuel tanks
- Total fuel volume in the tanks
- Temperature according to the external temperature sensor readings
- Fuel volume dispensed from the fuel-servicing truck (only when connected to the Omnicomm Profi terminal)
- Reading from the Omnicomm terminal universal input
- Driver's name (upon identification)
- Vehicle speed
- Engine hours
- Current time. Date and time are displayed on the Omnicomm ICON display according to the data received from the terminal

To view the parameters, switch between the previously configured main screens (see <u>Parameters Display on the Screen</u>).



Operator's Messages

Omnicomm ICON display shows the dispatcher's messages sent from Omnicomm Online or via SMS.



Refueling Volume Monitoring

Before starting the refueling operation, set the driver's status to "Refueling".



During the refueling, the Omnicomm ICON display will show the number of liters for each tank separately and the total number of liters refueled.

To finish monitoring of the refueling operation, select "Finish refueling".

Driver Identification

Driver Identification

When the Omnicomm ICON display is connected to a terminal, the driver identification is implemented using a MIFARE Ultralight card. For ease of identification, an RFID card holder is provided.

To provide the driver identification, enable this option in the terminal settings and specify the list of authorized cards.



After the Omnicomm ICON display is turned on, apply an RFID card:

If the RFID card is not listed among the authorized cards, the message "Access denied" will appear.

To provide identification in a continuous readout mode, use an RFID card holder.

Driver's Status

Driver's Status

To notify the dispatcher or monitor the refueling operation, select a status from the set of states created while configuring the Omnicomm ICON display. When the driver's status is changed, it is registered in Omnicomm Online and/or is sent via SMS to a dispatcher.



Omnicomm ICON display has a built-in speaker.

Sound notification is used when the Omnicomm ICON display is connected to an Omnicomm terminal. Sound notification is triggered upon registration of events set during configuring the displaying parameters on the screen and during the terminal setting.

List of events and their corresponding notifications:

Event	Sound notification	Display
Overspeeding	once in 30 sec	Overspeeding
Exceeding the engine speed	once in 12 sec	Exceeding the engine speed
Sharp acceleration (>=FW15084)	once in 10 sec	Sharp acceleration
Sharp deceleration (>=FW15084)	once in 10 sec	Sharp deceleration

Event	Sound notification	Display
Sharp lateral acceleration (>=FW15084)	once in 10 sec	Sharp turn
Sharp vertical acceleration (>=FW15084)	once in 10 sec	Suspension brunt
Fasten seat belts	once in 20 sec	Fasten seat belts
Turn on the headlights	once in 20 sec	Turn on the headlights
Axis load exceeding	once in 60 sec	Axis load is exceeded

Event	Sound notification	Display
Total axis load exceeding	once in 120 sec	The maximum weight is exceeded
Movement inside the geofence (depending on the terminal settings)	with periodicity of 12 sec	Movement is prohibited
Movement outside the geofence (depending on the terminal settings)	with periodicity of 12 sec	Movement is prohibited
Entering the Geofence (depending on the terminal settings)	occurring once	
Exiting the Geofence (depending on the terminal settings)	occurring once	
Authorization is successful	occurring once	-

Event	Sound notification	Display		
Authorization is wrong	occurring once		Access denied	

Panic Button

Panic Button

BOmnicomm ICON display has built-in panic button.



With power ON, if the panic button is pressed the Omnicomm ICON display sends the triggering event via the RS-485 interface.

When connected to a panic button output or a terminal universal input, the Omnicomm ICON display sends the triggering event to the terminal regardless of power ON or OFF.

Connect to a panic button output or an Omnicomm terminal universal input according to the diagram:



Monitoring the amount of remaining fuel, the refueling volume, and the vehicle's operation parameters

In this case, we look at the connection and configuration of equipment for monitoring mileage, speed, and remaining fuel in vehicle tanks using the Omnicomm ICON display.



Use:

Monitoring the amount of remaining fuel and the vehicle's operation parameters



If the fuel volume goes below the threshold value, the amount of remaining fuel will be highlighted in red and a sound notification will ring.

Refueling volume monitoring



During the refueling process, the Omnicomm ICON display shows the total volume of fuel filled and the number of liters for each tank separately.

Equipment:

- Omnicomm terminal
- LLS 5 Fuel level sensors
- Omnicomm ICON Display

Connection:

The diagram example of equipment connection is given for the Omnicomm Optim terminal. To connect to an Omnicomm terminal of a different model, see diagrams in the <u>Connection</u> section.



Settings:

The configuration of the LLS Fuel level sensors is performed according to the user manual of each sensor.

Omnicomm Terminal configuration

Run Omnicomm Configurator.

Select equipment – Terminal.

In the "Settings" tab select the "ICON" section from the list.

F	Profi v. 3.0 FW: 0.1.0.309 II	D: 303007520			Service - ?
Sensor	Monitoring	Settings	ICON		
Terminal	- 🗸 ICON				
			Network address	240	
			Select time zone	\checkmark	
Indicator			Time zone	UTC	•
			Sound notification	\bigtriangledown	
የያሳ			SAV	/E Ctrils	

"ICON" – check the box to display the data from the terminal on the Omnicomm ICON display

- "Network address" select the display network address. Possible values: from 7 to 254
- "Select the time zone" check the box to select your time zone relative to UTC. The time zone value is used when an automatic registration of time zones is not required

"Time zone" – select the time zone

- "Notify about status changes via SMS" check the box to send a notification to the dispatcher's number when the driver's status changes. The notification will contain the driver's new status
- "Sound notification" check the box to enable sound notifications when the terminal registers a new event, as specified during the terminal's setup

Omnicomm ICON display configuration

Run Omnicomm Configurator.

Select equipment – Indicator.

Add the parameters "Tank 1", "Tank 2", "Total in tanks", "Mileage", and "Speed" to the screen.

Adding parameter	
Name	Tank 1 🚽
Code	10
Measurement accuracy	1
Min threshold	
Max threshold	
Sound notification generation	
	CANCEL

When adding the parameters, specify the following values:

- Units of measurement units of measurement for the parameter. Select the units of measurement from the list or add your own by selecting "Other". Enter the unit of measurement in the "Unit name" field
- Measurement accuracy select the number of digits after decimal point to display
- Minimum threshold enter the minimum value of the measured parameter
- Maximum threshold enter the maximum value of the measured parameter
- Sound notification of exceeding thresholds tick the box if a sound notification is needed when the value is below the minimum threshold or when the maximum threshold is exceeded

Configure the parameter display on screen as shown in the figure:

Screen №1 -	+ Add screen	
9/3/2020 9:20 AM	\bigotimes	Livanov
Tank 1	Total in	ı tanks
<	Mile	age >
Tank 2	Spe	ed

Press the "Save" button.

Monitoring the fuel dispensing by a fuel tanker

In this case, we look at the operation of a fuel tanker with an installed signal reader with a PPO fuel flow meter. The Omnicomm ICON display allows us to monitor the volume of dispensed fuel through the fuel tanker's dispensing gun and the remaining fuel in the fuel tank.



If the fuel volume goes below the threshold value, the amount of remaining fuel will be highlighted in red and a sound notification will ring.

If necessary, use the button "Reset Fuel Flow Meter" to reset the output volume.

Equipment:

- Omnicomm Profi terminal
- Omnicomm LLS-Ex 5 Fuel level sensors
- BIS-MX Spark protection unit

• Omnicomm ICON Display

Connection:



Settings:

The configuration of the Omnicomm LLS-Ex 5 fuel level sensor is performed according to the sensor's user manual.

The BIS-MX spark protection unit does not require configuration.

Omnicomm Profi terminal configuration

Run Omnicomm Configurator.

Select equipment – Terminal.

In the "Settings" tab select the "ICON" section from the list.
F	Profi v. 3.0 FW: 0.1.0.309	D: 303007520			Service • ?
Sensor	Monitoring	Settings	ICON		
Terminal	- 🗸 ICON				
0000			Network address	240	
Indicator			Select time zone	\checkmark	
			Time zone	UTC	~
			Sound notification	\square	
የያሳ			SAV	'E Ctrils	

"ICON" – check the box to display the data from the terminal on the Omnicomm ICON display

- "Network address" select the display network address. Possible values: from 7 to 254
- "Select the time zone" check the box to select your time zone relative to UTC. The time zone value is used when an automatic registration of time zones is not required

"Time zone" - select the time zone

• "Sound notification" - check the box to enable sound notifications when the terminal registers a new event, as specified during the terminal's setup

In the "Settings" tab select the "Inputs" section from the list.

In the "Universal inputs" section, configure the universal input No. 1:

 Universal inputs 	
UI No. 1	On ·
Mode	Impulse -
Pull-up resistor	On 👻
Calibration coefficient	280
Input impulses	219
Current input value	
Equipment name	Uni 1

"Universal input No. 1" - select "Enabled".

"Operating mode" – select "Pulse".

"Equipment name" - enter the monitored parameter name. For example, volume of fuel

dispensed.

"Pull-up resistor" – select "Enabled" when working with "open collector"-type sensors or contact sensors.

"Coefficient of pulse input calibration" – enter the calibration factor for converting the number of pulses to the determined physical quantity. Enter the value of the calibration coefficient depending on the model of the Signal pickup device and the PPO Fuel dispensing meter according to the table:

USS variations	Use as part of products	Calibration factor
USS-B-70	PPV-100-1,6; PPV-100-6,4; PPV-150-1,6; PPV-150-6,4	35,714
USS-B-70	PPO-25-1,6; ShZhU-25-1,6	1
USS-B-70	PPO-40-0,6; ShZhU-40-0,6	3,571
USS-B-25	РРV-100-1,6; ППВ-100-6,4; РРV-150-1,6; РРV-150-6,4	100
USS-B-25	PPO-25-1,6; ShZhU-25-1,6	2,8
USS-B-25	PPO-40-0,6; ShZhU-40-0,6	10

Press the "Save" button.

Omnicomm ICON display configuration

Run Omnicomm Configurator.

Select equipment – Indicator.

Add the parameters "Fuel flow meter", "Tank 1", "Tank 2", "Tank 3", "Total in tanks" to the screen.

Parameter editing	
Name	Fuel flow meter +
Code	41
Measurement accuracy	1
Min threshold	
Max threshold	
Sound notification generation	
	CANCEL

When adding the parameters, specify the following values:

- Units of measurement units of measurement for the parameter. Select the units of measurement from the list or add your own by selecting "Other". Enter the unit of measurement in the "Unit name" field
- Measurement accuracy select the number of digits after decimal point to display. Possible values: 0, 1
- Minimum threshold enter the minimum value of the measured parameter
- Maximum threshold enter the maximum value of the measured parameter
- Sound notification of exceeding thresholds tick the box if a sound notification is needed when the value is below the minimum threshold or when the maximum threshold is exceeded

Configure the parameter display on screen as shown in the figure:

9/3/202	0 9:24 AM		Livanov
	Fuel flow meter	Tank 1	
۰۰۰۰۰ ۲		Tank 2	>
	Total in tanks	Tank 3	

Press the "Save" button.

Stationary tank with four fuel level sensors

In this case, we look at monitoring fuel volume in a stationary tank when several fuel level sensors are installed. The Omnicomm ICON display is used to monitor the remaining fuel in the container.



Use:

When used only with the Omnicomm LLS fuel level sensors



When used together with a terminal



If the fuel volume goes below the threshold value, the amount of remaining fuel will be highlighted in red and a sound notification will ring.

Equipment:

- Omnicomm LLS 5 fuel level sensors
- Omnicomm ICON Display
- On-board terminal

Connection:

Connection to the Omnicomm LLS fuel level sensors



Connection to the terminal

The diagram example of equipment connection is given for the Omnicomm Optim terminal. To connect to an Omnicomm terminal of a different model, see diagrams in the <u>Connection</u> section.



Several Omnicomm LLS fuel level sensors can be connected side-by-side via the RS-485 interface.

Settings:

The configuration of the Omnicomm LLS 5 fuel level sensor is performed according to the sensor's user manual.

ICON display configuration when used only with the Omnicomm LLS fuel level sensors

Omnicomm ICON display supports up to 4 fuel tanks. The maximum number of Omnicomm LLS fuel level sensors is 4.

F	ICON FW: 15107		CALIBRATIC	N TABLES FI	Service • ?
Sensor		Connection	LLS		•
Terminal		LLS operation mode	Automatic output		· ·
		ICON network address	240		
Indicator	▼ Used tanks + Add ta	nk			
	Tank No. 1	Fuel level sensor No. 1	Tank No. 2	Fuel level sensor No.	2
	➤ Display mode Respond to threshold e	exceeding			
	Fuel volume screen				
		Total in tanks			
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ICON display configuration when used together with a terminal

Run Omnicomm Configurator.

Select equipment – Indicator.

Add the parameters "Tank 1", "Tank 2", "Tank 3", "Tank 4", "Total in tanks" to the screen.

Adding parameter	
Name	Tank 1 🔹
Code	10
Measurement accuracy	1
Min threshold	
Max threshold	
Sound notification generation	
	CANCEL

When adding the parameters, specify the following values:

- Units of measurement units of measurement for the parameter. Select the units of measurement from the list or add your own by selecting "Other". Enter the unit of measurement in the "Unit name" field
- Measurement accuracy select the number of digits after decimal point to display
- Minimum threshold enter the minimum value of the measured parameter
- Maximum threshold enter the maximum value of the measured parameter
- Sound notification of exceeding thresholds tick the box if a sound notification is needed when the value is below the minimum threshold or when the maximum threshold is exceeded

Configure the parameter display on screen as shown in the figure:



Press the "Save" button.

Terminal configuration

Run Omnicomm Configurator.

Select equipment – Terminal.

In the "Settings" tab select the "ICON" section from the list.

F	Profi v. 3.0 FW: 0.1.0.309 II	D: 303007520			Service	• ?
Sensor	Monitoring	Settings	ICON			
Terminal	- 🗸 ICON					
			Network address	240		
			Select time zone	\bigtriangledown		
malcator			Time zone	UTC		•
			Sound notification	\bigtriangledown		
የያሳ			SAV	'E Ctris		

"ICON" – check the box to display the data from the terminal on the Omnicomm ICON display

- "Network address" select the display network address. Possible values: from 7 to 254
- "Select the time zone" check the box to select your time zone relative to UTC. The time zone value is used when an automatic registration of time zones is not required

"Time zone" - select the time zone

• "Sound notification" - check the box to enable sound notifications when the terminal registers a new event, as specified during the terminal's setup

Refrigerator with temperature sensors

In this case, we look at monitoring vehicles carrying food products that have strict requirements for temperature conditions during transportation and storage. The Omnicomm ICON display is used to monitor the temperature in the refrigerator sections and the fuel remaining in the tank with the help of temperature sensors and an LLS fuel level sensor.



Use:



Equipment:

- Omnicomm terminal
- Omnicomm ICON Display
- Temperature sensors

Connection:

The diagram example of equipment connection is given for the Omnicomm Profi terminal. The connection to other models of Omnicomm terminals is performed according to the terminals' user manuals.



Configuration:

Omnicomm Terminal configuration

Run Omnicomm Configurator.

Select equipment – Terminal.

In the "Settings" tab select the "ICON" section from the list.

F	Profi v. 3.0 FW: 0.1.0.309 II	D: 303007520				Service	• ?
Sensor	Monitoring	Settings	ICON		-		
Terminal	- 🗸 ICON						
[0000]			Network address	240			
Indicator			Select time zone	\bigtriangledown			
			Time zone	UTC			•
			Sound notification	\square			
የያሳ			SAV	'E CtrlS			

"ICON" – check the box to display the data from the terminal on the Omnicomm ICON display

- "Network address" select the display network address. Possible values: from 7 to 254
- "Select the time zone" check the box to select your time zone relative to UTC. The time zone value is used when an automatic registration of time zones is not required

"Time zone" - select the time zone

• "Sound notification" - check the box to enable sound notifications when the terminal registers a new event, as specified during the terminal's setup

In the "Settings" tab, select the "Auxiliary equipment" section from the list.

In the "Temperature sensors" section, the temperature sensors connected to the 1-Wire interface are displayed:

Temperature ser	nsors		
		C	Congigure temperature sensors
emperature senso	r setting		
Sensor ID	Value	Transmit the value of 1-	wire sensor instead of UI
Sensor ID CC000009A848C828	Value 28	Transmit the value of 1-	wire sensor instead of UI
Sensor ID CC000009A848C828 D000009A769CA28	Value 28 27	Transmit the value of 1- 1 2	wire sensor instead of UI
Sensor ID CC000009A848C828 D000009A769CA28 40000009A69FC128	Value 28 27 27	Transmit the value of 1- 1 2 3	wire sensor instead of UI

"Transmit the value of 1-Wire sensor instead of UI" - select the number of the universal input for displaying the temperature values on Omnicomm Online.

In the "Universal Inputs section:

F	Profi v. 3.0 FW: 0.1.0.309	D: 303007520				Service - ?
Sensor	Monitoring	Settings	Inputs			
Terminal				UI No. 2	On	
Indicator				Mode	1-Wire	

"Operation mode" – select 1-Wire.

Omnicomm ICON display configuration

Run Omnicomm Configurator.

Select equipment – Indicator.

Add the parameters "1-wire temperature 1", "1-wire temperature 2", "1-wire temperature 3", "1-wire temperature 4", "Total in tanks" to the screen.

Adding parameter	
Name	1-wire temperature 1
Code	20
Min threshold	-40
Max threshold	+50
Sound notification generation	\bigtriangledown
	CANCEL

When adding the parameters, specify the following values:

- Units of measurement units of measurement for the parameter. Select the units of measurement from the list or add your own by selecting "Other". Enter the unit of measurement in the "Unit name" field
- Measurement accuracy select the number of digits after decimal point to display
- Minimum threshold enter the minimum value of the measured parameter
- Maximum threshold enter the maximum value of the measured parameter
- Sound notification of exceeding thresholds tick the box if a sound notification is needed when the value is below the minimum threshold or when the maximum threshold is exceeded

Configure the parameter display on screen as shown in the figure:

9/3	3/2020 9:36 AM		1	Ivanov
	1-wire temperature 1		1-wire temperature 3	
<			1-wire temperature 4	>
	1-wire temperature 2		Fuel flow meter	
		Contract Age	n en de la restancia de la conserta de secondar de la desta de	

Press the "Save" button.

Vehicle fleet with driver identification

In this case, we look at vehicle monitoring. The Omnicomm ICON display provides driver identification via RFID cards. Two identification options are available: Applying or Retention of RFID cards. For identification through retention, you will need to acquire an RFID card holder.



When using a card that was not registered during the terminal configuration, access to the Omnicomm ICON display will be forbidden:



Equipment:

- Omnicomm ICON Display
- ID card
- On-board terminal

Connection:

The diagram example of equipment connection is given for the Omnicomm Optim terminal. To connect to an Omnicomm terminal of a different model, see diagrams in the <u>Connection</u> section.



Configuration:

Omnicomm Terminal configuration

Run Omnicomm Configurator.

Select equipment – Terminal.

In the "Settings" tab select the "ICON" section from the list.

F	Profi v. 3.0 FW: 0.1.0.309 IE): 303007520			Service - ?
Sensor	Monitoring	Settings	ICON		
Terminal	- 🗸 ICON				
			Network address	240	
Indicator			Select time zone	\checkmark	
Indicator			Time zone	ИТС	•
			Sound notification	\bigtriangledown	
የያሳ			SAV	E Ctrils	

"ICON" – check the box to display the data from the terminal on the Omnicomm ICON display

- "Network address" select the display network address. Possible values: from 7 to 254
- "Select the time zone" check the box to select your time zone relative to UTC. The time zone value is used when an automatic registration of time zones is not required

"Time zone" - select the time zone

• "Sound notification" - check the box to enable sound notifications when the terminal registers a new event, as specified during the terminal's setup

In the "Settings" tab select the "Identification" section from the list.

Ŧ	Profi v. 3.0 Fw: 0.1.0.309 ID: 303007520			Service - ?
Sensor	Monitoring Settings	Identification		
	 Identification setting 	s		
Terminal		Use for identification	Omnicomm ICON	•
Indicator		Identification method	Applying	•
	- Permitted cards 🕂	Add card		
	Driver name	Code	_	
	Ivanov Sergey	008C895A4A6E4D	×	
	 Permitted card identi 	fied		
		Output on	Off	•
		Output switch off delay, s		
		Sound notification	Off	•
				s
የያሳ			SAVE CHIS	

"Use for identification" - select the identification method "Omnicomm ICON".

"Identification method" – select the method of identification. Possible options:

- "Applying" the identification is performed when a card is applied for the period of time specified in the parameter "Key/card identification time".
- "Retention" identification is performed by holding the card on the reader. This method is applied for identification via Omnicomm ICON display using the cardholder.

"Card identification duration" – specify the time value when a card is applied, after which will be enabled the second digital output of the terminal. Possible values: from 0 to 60 seconds.

In the **"Permitted cards"** section, click on **"Add card"** and enter the numbers of the cards which, when applied, will turn on the second discrete output. For automatic reading of the card number, connect Omnicomm ICON display to the terminal, switch on the readout mode and apply card.

Enter the identification number of the RFID card without the last two digits. For example, for the card no. 8C895A4A6E4D80 the number 8C895A4A6E4D is indicated.

Driving Safety Control

The Omnicomm ICON display is used in driving safety control:

- warning about an open door, unfastened seatbelt, headlights off, entering/leaving a geofence sent to the display
- synchronization of events with Safe Driving reports in Omnicommm Online



Use:

Driving safety control through the display:

Notification about an unfastened seatbelt and vehicle speed greater than the value specified during terminal configuration:



Notifications when the acceleration thresholds are exceeded (suspension deceleration - vertical acceleration; sharp braking - braking):



Universal input status on the Omnicomm ICON display:



Driving safety control in Omnicomm Online reports:

The "SafeDrive: Violation details" report:

	ourcome. Housona o										ſ	Search violations
	Driver	Vehicle	Bad habit	Date #	Duration	Axial acce	Transvers	Vertical a	Head lights	Safety belt	Penalty p	Address
1	degrees 1	1000	Test low rpm	12.08.2019 11:07:	01:29				On	Fastened	50	Дыдылдино, Ленинский район, М
	marrow 4	1000	Test low rpm	12.08.2019 09:24:	02:47				On	Fastened	50	Дыдылдино, Ленинский район, М
3	Reprint 4	1000	Test low rpm	12.08.2019 06:24:	01:32				On	Fastened	50	Дыдылдино, Ленинский район, М
	Reprint C	1000	Test low rpm	12.08.2019 06:15:	01:17				On	Fastened	50	Дыдылдино, Ленинский район, М
	diagrams. I	1000	Test low rpm	12.08.2019 06:11:	02:27				On	Fastened	50	Дыдылдино, Ленинский район, М
	Happine 1	1000	Test low rpm	12.08.2019 06:06:	01:01				On	Fastened	50	Дыдылдино, Ленинский район, М
	Supremu 4	1000	Test low rpm	12.08.2019 05:59:	01:47				On	Fastened	50	Каширское шоссе, Ям, городской
	Reprint 1	1000	Test low rpm	12.08.2019 05:43:	00:55				On	Fastened	50	А-107, Белые Столбы, Красное, го
2	speed			le le	<u> </u>				\geq			
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		€ • S	18.2019 18:18:30 peed 96.8 km/h				 Latest data 15.08.2019 Mileage 933.44 km Driver Иван Ивано «Дон», Срез 	18:18:30 Fuel 101: DB Curr - DB equi	Speed 96.8 km /Additional tank 3.6 l./0.0 l. ent auxiliary pment readings cenuckoe nocer	/h : Total mileag CAN 887203 Engine open load	e as per ation mode	Колиун —

The "SafeDrive: Driver rating" report:

SafeDrive: Drivers Rating \times +					E
SafeDrive: Drivers Rating DAF 1, DAF 2					×
For the selected period	18	For similar passed period	48	Decrease by	- 62.5
Operation at low engine speed					69.6% (1200 scores)
Movement with exceeding of the allowed speed					17.4% (300 scores)
Harsh acceleration					13.0% (225 scores)

A detailed description of the reports can be found in the Omnicomm Online User Manual (see <u>the "SafeDrive: Violation details" report</u> and <u>the "SafeDrive: Driver rating" report</u>).

Hardware and software:

- Omnicomm terminal
- Omnicomm ICON Display
- Omnicomm Online

Connection:

Settings:

Omnicomm Terminal configuration

Run Omnicomm Configurator.

Select equipment – Terminal.

In the "Settings" tab select the "ICON" section from the list.

ዋነ	Profi v. 3.0. FW: 0.1.0.309 ID: 393007520
Sensor	Monitoring Settings ICON +
Terminal	• VI ICON
[0000]	Network address 240
Indicator	Select time zone
	Time zone UTC -
	Sound notification
¢84	SAVE DEE



"ICON" – check the box to display the data from the terminal on the Omnicomm ICON display

- "Network address" select the display network address. Possible values: from 7 to 254
- "Select the time zone" check the box to select your time zone relative to UTC. The time zone value is used when an automatic registration of time zones is not required

"Time zone" - select the time zone

• "Sound notification" - check the box to enable sound notifications when the terminal registers a new event, as specified during the terminal and display configuration.

In the "Universal Inputs" section:

✓ Universal inputs	
UI No. 1	On 🔹
Mode	Potential -
Pull-up resistor	On ·
Input signal inversion	Off
Turn-on voltage threshold (V)	4.5
Current input voltage (v)	
Current input value	0.0
Equipment name	Switch

"Universal input No. 1" - select "Enabled".

"Operating mode" - select "Direct-current".

"ON voltage threshold" – set the value of voltage threshold after which the terminal will register the seatbelt fastening.

"Pull-up resistor" – select "Enabled" when working with "open collector"-type sensors or with dry contact sensors.

"Input signal inversion" – set "Enabled" for sensors with default open contacts or for contacts which close after the seatbelt is fastened.

"Equipment name" – enter the monitored parameter name. For example, Seatbelt.

In the "Driving control" section:

F	Profi v. 3.0 Fw: 0.1.0.309 ID: 3030075	20					
Sensor	Monitoring Setting	gs Driving cont	trol	•			
Terminal	▼ 🕢 Dangerous d	riving control					
8888		Event sending	Threshold	Error	Duration, s	Sound notification	
Indicator	Speed, km/h	\checkmark	80	5	15	\square	
	Revolutions (rpm)		4000	200	15		
	Acceleration, g	\checkmark	2.00			\square	
	Lateral acceleration, g	\checkmark	2.00				
	Braking, g		2.00			\square	
	Vertical acceleration (pounding/impact), g		2.00				
	Speed and Exceeding of threshold of potential UI1		20				
	Speed and Exceeding of threshold of potential UI2		20				

"Speed and Exceeding of threshold of potential UI1":

Threshold - enter the threshold value which, if exceeded, will trigger the registration of a

fastened/unfastened seatbelt event.

The notification for the event "Speed and Exceeding of threshold of potential UI1, UI2" is generated only when the selected speed source for the terminal is "GPS" (see<u>Omnicomm</u> terminals 3.0. User Manual. The "Selection of Speed Source" section).

To set up notifications for suspension impact and sudden braking, specify the threshold values of vertical acceleration and breaking.

Omnicomm ICON display configuration

Run Omnicomm Configurator.

Select equipment – Indicator.

Add the parameters "UI 1", "Mileage", "Speed" to the screen.

Adding parameter	
Name	
Name	
Code	30
Units	Other
Unit name	rev.
Measurement accuracy	1
Min threshold	10
Max threshold	25
Sound notification generation	
	CANCEL

When adding the parameters, specify the following values:

- Units of measurement units of measurement for the parameter. Select the units of measurement from the list or add your own by selecting "Other". Enter the unit of measurement in the "Unit name" field.
- Measurement accuracy select the number of digits after decimal point to display.
- Minimum threshold enter the minimum value of the measured parameter
- Maximum threshold enter the maximum value of the measured parameter
- Sound notification of exceeding thresholds tick the box if a sound notification is needed when the value is below the minimum threshold or when the maximum threshold is exceeded.

Configure the parameter display on screen as shown in the figure:

 Parameter display on screen 					
Screen №1	 Add screen 				
9/3/2020 9:46 AM	\bigotimes	Livanov			
	UI 1 Milezoa	······			
	ADD PARAMETER				

Press the "Save" button.

Settings in Omnicomm Online

- Open the browser and enter the address <u>http://online.omnicomm.ru</u>. Enter your login and password in the window that opens
- Enable the "Safe driving" service for the vehicle
- Select the vehicle or the driver
- Select the time period for report generation

2	Services			
- b	○ Current period	Export to Excel		View a vehicle Switching on/off of services for a vehicle
	Service name	January 2019	Current value	
	Executive's Desktop	96	96	
	Fuel balance	6	<u>6</u>	
	Omnicomm Connect Reports	92	92	
	Video 1 Gb	7	7	
	Video 5 Gb	1	1	
	Safe driving	4	4	
	Active vehicles	308	294	
	Inactive vehicles	155	171	

Construction Machinery

The Omnicomm ICON display allows you to control a wide range of construction equipment, such as the position of the dozer blade or tractor attachments, or the speed of the cement mixer. In this case, let's look at the monitoring of the position of a dump truck body and the rotations of a cement mixer truck.



Use:

The dump truck body position shown on the display:



The rotations of a cement mixer truck shown on the display:



Equipment:

- Omnicomm terminal
- Omnicomm ICON Display

Connection:

The diagram example of equipment connection is given for the Omnicomm Profi terminal. To connect to an Omnicomm terminal of a different model, see diagrams in the <u>Connection</u> section.



Settings:

Omnicomm Terminal configuration

Run Omnicomm Configurator.

Select equipment – Terminal.

In the "Settings" tab select the "ICON" section from the list.

F	Profi v. 3.0 FW: 0.1.0.309	D: 303007520			Service • ?
Sensor	Monitoring	Settings	ICON		
Terminal	- 🗸 ICON				
0000			Network address	240	
Indicator			Select time zone	\checkmark	
			Time zone	UTC	~
			Sound notification	\square	
የያሳ			SAV	'E Ctrils	

"ICON" – check the box to display the data from the terminal on the Omnicomm ICON display

- "Network address" select the display network address. Possible values: from 7 to 254
- "Select the time zone" check the box to select your time zone relative to UTC. The time zone value is used when an automatic registration of time zones is not required

"Time zone" - select the time zone

• "Sound notification" - check the box to enable sound notifications when the terminal registers a new event, as specified during the terminal's setup

In the "Universal Inputs" section:

• • Universal input configuration when connecting to a body tilt sensor:

✓ Universal inputs							
UI No. 1	On 🔹						
Mode	Potential -						
Pull-up resistor	On 🔹						
Input signal inversion	Off						
Turn-on voltage threshold (V)	4.5						
Current input voltage (v)							
Current input value	0.0						
Equipment name	Switch						

"Universal input No. 1" - select "Enabled".

"Operating mode" - select "Direct-current".

"ON voltage threshold" – set the value of voltage threshold after which the terminal will register truck body lifting.

"Pull-up resistor" – select "Enabled" when working with "open collector"-type sensors or with dry contact sensors.

"Input signal inversion" – set "Enabled" for sensors with default open contacts or for contacts which close after the truck body is lifted.

"SMS sending upon triggering" – select "Enabled" to send an SMS when the truck body is lifted.

"Equipment name" – enter the monitored parameter name. For example, Body.

• Universal input configuration when connecting to a cement mixer motor:

 Universal inputs 					
UI No. 1	On 🔹				
Mode	Impulse				
Pull-up resistor	Off				
Calibration coefficient	280				
Input impulses 219					
Current input value					
Equipment name	Uni 1				

"Universal input" - select "Enabled".

"Operating mode" – select "Pulse".

"Equipment name" – enter the monitored parameter name.

"Pull-up resistor" – select "Enabled" when working with "open collector"-type sensors or contact sensors.

"Coefficient of pulse input calibration" – enter the calibration factor for converting the number of pulses to the determined physical quantity.

Omnicomm ICON display configuration

Run Omnicomm Configurator.

Select equipment – Indicator.

Add the parameters "UI 1", "Engine hours", "Mileage" to the screen.

Adding parameter	
Name	
Code	30
Units	Other
Unit name	
Measurement accuracy	
Min threshold	
Max threshold	25
Sound notification generation	
	CANCEL

When adding the parameters, specify the following values:

- Units of measurement units of measurement for the parameter. Select the units of measurement from the list or add your own by selecting "Other". Enter the unit of measurement in the "Unit name" field
- Measurement accuracy select the number of digits after decimal point to display
- Minimum threshold enter the minimum value of the measured parameter
- Maximum threshold enter the maximum value of the measured parameter
- Sound notification of exceeding thresholds tick the box if a sound notification is needed when the value is below the minimum threshold or when the maximum threshold is exceeded

Configure the parameter display on screen as shown in the figure:



Press the "Save" button.

Driver Statuses in Omnicomm Online

In this case, we look at monitoring driver activity through statuses. On the Omnicomm ICON display, the driver can set a status that corresponds to the activity that is being carried out. To analyze a driver's activity in Omnicomm Online, you can use the report "Task status". Also, when the status changes, an SMS is sent to the dispatcher's number (indicated during terminal configuration). The Omnicomm ICON display supports up to 10 driver statuses.



Use:

- Open the browser and enter the address <u>http://online.omnicomm.ru</u>. Enter your login and password in the window that opens
- Select the vehicle or the driver
- Select the time period for report generation
- Press the "Add report" button and select "Task status"

ame of vehicle	Vehicle status	Vehicle's mileage, km	Consumption by CAN b	Status Selection Date	Current location	Ignition flag			
enovo TAB3	Rest	•	-	29.01.2019 16:40:43		Off			
ame of vehicle	Vehicle status	Driver's name	Start date	End date		Duration	Consumption by CAN	Fuel consumption	Start lo
enovo TAB3	Refueling	No authorized	29.01.2019 16:32:03	29.01.2019 16:40:43		00:08:40	0.0 n	0.0 n	
enovo TAB3	Work	No authorized	29.01.2019 16:25:11	29.01.2019 16:32:03		00:06:52	0.0 n	0.0 n	
								01 / 01 《 <	>> 5 *
							_	01 / 01 《 <	>> 5

The report contains the following information on statuses for the report period:

- Driver's name
- Date when the status became effective
- Status expiry date
- Duration of the status
- Fuel consumption per CAN, I
- Fuel consumption, l
- Location where the status became effective
- Status expiry location
- Mileage at the beginning of status activation
- Mileage at status expiry
- Mileage during the period of status activation as per CAN, km
- Mileage during the period of status activation according to GPS, km

Equipment:

- Omnicomm terminal
- Omnicomm ICON Display

Connection:



Settings:

Omnicomm Terminal configuration

Run Omnicomm Configurator.

Select equipment – Terminal.

In the "Settings" tab select the "ICON" section from the list.

Ŧ	Profi v. 3.0 FW: 0.1.0.309 II	Service - ?			
Sensor	Monitoring	Settings	ICON		
Terminal	- 🗸 ICON				
			Network address	240	
			Select time zone	\checkmark	
Indicator			Time zone	UTC	•
			Sound notification	\bigtriangledown	
የያሳ			SAV	/E Ctrils	

"ICON" – check the box to display the data from the terminal on the Omnicomm ICON display

- "Network address" select the display network address. Possible values: from 7 to 254
- "Select the time zone" check the box to select your time zone relative to UTC. The time zone value is used when an automatic registration of time zones is not required

"Time zone" - select the time zone

- "Notify about status changes via SMS" check the box to send a notification to the dispatcher's number when the driver's status changes. The notification will contain the driver's new status.
- "Sound notification" check the box to enable sound notifications when the terminal registers a new event, as specified during the terminal and display configuration.

Omnicomm ICON display configuration

Run Omnicomm Configurator.

Select equipment – Indicator.

In the "Statuses" section:

✓ Statuses + Add status					
\checkmark	UNLOADING	×			
\checkmark	ON THE ROUTE	×			
\checkmark	REST	×			
\checkmark	REFUELING	×			
\checkmark	DOCUMENTS	×			

Press "Add status".

Enter the status in words and press the "Write to device" button.

Monitoring dispensing operations in Omnicomm Online

In this case, we look at monitoring fuel dispensing by a fuel tanker using the report "Refueler Statement" in Omnicomm Online. Before refueling, the driver applies the RFID card to the ICON display. Omnicomm Online will register a fuel dispensing event linked to the driver or the vehicle.



Use:

- Open the browser and enter the address <u>http://online.omnicomm.ru</u>. Enter your login and password in the window that opens
- Select the vehicle or the driver
- Select the time period for report generation
- Press the "Add report" button and select "Refueler Statement"

Refueler Statement × +								I			
🔓 Refueler Statement									믐 ×		
	Total volume of dispense	d fuel, l			33943.07 Total amount of dispensing						109
	Volume of dispensings without refueling recipient					Number of dispensings without a refueling recipient					109
	Loss volume, l										0.00
	Source 💵	Start of dispensing	End of dispensing	RFID	Card ass	igned to	Recipient of r	Start of refueling	End of refueling	Driver name	Refueling vo
1		18.08.2019 01:03:32	18.08.2019 01:05:17	-			-	-		-	. ^
2		18.08.2019 01:10:47	18.08.2019 01:14:15				-			-	
3		18.08.2019 01:18:30	18.08.2019 01:20:15								
4		18.08.2019 01:23:00	18.08.2019 01:23:45								•
5		18.08.2019 01:27:30	18.08.2019 01:30:00				•		÷	+	•
6		18.08.2019 01:36:17	18.08.2019 01:38:32							+	•
7		18.08.2019 01:42:17	18.08.2019 01:43:32	÷			-	·	+	-	•
8		18.08.2019 03:19:02	18.08.2019 03:23:32				-		÷	-	
9		18.08.2019 03:28:17	18.08.2019 03:33:17								
10		18.08.2019 06:19:02	18.08.2019 06:23:02								÷
11		18.08.2019 06:25:32	18.08.2019 06:28:47				-		÷	-	
12		18.08.2019 06:31:17	18.08.2019 06:34:47						-		•
13		18.08.2019 06:39:47	18.08.2019 06:42:47								•
14		18.08.2019 06:45:17	18.08.2019 06:48:47	•			•		· [01 / 06 « < > X	≥ 20 ∨ v

The report contains the following information:

- Dispensing source name of the fuel tanker
- Start of dispensing date and time of the start of the fuel dispensing operation
- End of dispensing date and time of the end of the fuel dispensing operation
- RFID the number of the RFID card applied at the fuel tanker:

no earlier than 60 seconds before the start of fuel dispensing

within the allowed interval of time for fuel dispensing set in the vehicle profile (see <u>Administration Guide. Omnicomm Online</u>)

before the RFID card is removed

- Card assigned full name of the key holder
- Receiver name of the vehicle that is being refilled
- Refueling start date and time of the start of refueling
- Refueling end date and time of the end of refueling
- Match type the method used to match the source of dispensing and the refueled vehicle. Possible options: coordinates and time, iButton key, RFID card, fuel card, document.

• Driver's name - full name of the driver of the refueled vehicle. The driver's name is displayed depending on the type of match:

iButton key, RFID card - full name of the key or card holder

coordinates and time - full name of the driver registered on the refueled vehicle

- Refueling volume the volume of the fuel filled in the vehicle
- Dispensing volume the volume of the fuel dispensed by the fuel tanker
- Deviation, I the difference between the refilled volume and the dispensed volume in liters
- Deviation, % the difference between the refilled volume and the dispensed volume in percentage
- Refueling source address the address at which the start of fuel dispensing was recorded
- Refueling receiver address the address at which the start of vehicle refueling was recorded
- Source group a group of vehicles to which the fuel tanker belongs
- Receiver group a group of vehicles to which the refueled vehicle belongs

The data on the refueled vehicle (receiver) will be displayed only if the driver, who applied the RFID card, is registered on the vehicle (receiver). Driver registration can be done in Omnicomm Online or using the Omnicomm ICON display installed on the vehicle (receiver).

Equipment:

- Omnicomm Profi terminal
- Omnicomm LLS-Ex 5 Fuel level sensors
- BIS-MX Spark protection unit
- Omnicomm ICON Display
- Omnicomm Online

Connection:
Use Cases



Settings:

The configuration of the Omnicomm LLS-Ex 5 fuel level sensor is performed according to the sensor's user manual.

The BIS-MX spark protection unit does not require configuration.

Omnicomm Profi terminal configuration

The terminal is configured similarly to the procedure for <u>Monitoring the fuel tanker</u> <u>dispensing operations</u>.

Settings in Omnicomm Online

Log in to Omnicomm Online.

In the "Administration" section, open the "Vehicles" tab. A window will open:

Use Cases

Vehic	les Fi	nd a vehicle	Q									
() Enal	VH pr	ofile Miltitank VH	Profile Dat	ta recalculation	Disable the data	reception	Group management	Export the vehicle	Log of vehicles	s usage Terminal replacement	Setting up the displaying	Add virtual vehicle Export VH list
Groups: <u>All</u> Status: All												
		Name 🛓	Terminal	ID	Factory No.	Phone	Groups	Raw data	New data at the C	The latest processed data	Comment	Date of VH profile creation
1									No			11.09.2015 18:48:17
2									No	09.02.2018 11:27:37		07.02.2018 13:16:38
3							2	1.04.2019 13:10:52	No	21.04.2019 13:10:52 Ready		11.03.2019 23:35:27
4							1	1.09.2019 23:13:24	No	11.09.2019 23:13:24 Ready		23.06.2016 22:11:54
5							0	8.06.2019 03:06:55	No	08.06.2019 03:06:55 Ready		23.06.2016 22:11:57
6							1	8.09.2018 15:41:06	No	18.09.2018 15:41:06 Ready		23.06.2016 22:11:53
7							2	6.05.2019 15:48:13	No	26.05.2019 15:48:13 Ready		23.06.2016 22:11:57
8							2	2.03.2019 15:39:24	No	22.03.2019 15:39:24 Ready		23.06.2016 22:11:55
9							2	0.08.2018 13:37:57	No	20.08.2018 13:37:57 Ready		23.06.2016 22:11:55
10							2	5.03.2019 10:06:44	No	25.03.2019 10:06:44 Ready		23.06.2016 22:11:56
11							2	1.03.2019 20:19:29	No	21.03.2019 20:19:29 Ready		23.06.2016 22:11:55
12							C	9.05.2019 05:06:50	No	09.05.2019 05:06:50 Ready		23.06.2016 22:11:53
13							2	5.09.2019 15:57:39	Yes	25.09.2019 15:57:09 Recalculation	9	23.06.2016 22:11:56
14							2	8.05.2019 16:56:18	No	28.05.2019 16:56:18 Ready		23.06.2016 22:11:53
15							2	5.09.2019 15:56:45	Yes	25.09.2019 15:56:45 Ready		23.06.2016 22:11:56
16							2	5.09.2019 15:57:29	Yes	25.09.2019 15:56:59 Recalculation	9	23.06.2016 22:11:52
17							2	5.09.2019 12:56:36	Yes	25.09.2019 12:56:36 Ready		16.09.2017 10:55:10
18							2	5.09.2019 15:57:28	Yes	25.09.2019 15:56:58 Recalculation	9	23.06.2016 22:11:55
19	Π						2	5.09.2019 15:57:19	No	25.09.2019 15:57:19 Ready		23.06.2016 2211:55 × 100 ×

Select "Fuel tanker" from the list and click the "Vehicle profile" button.

In the "Driver sign in on a vehicle" section:

 Driver Assignment for the Vehicle 		
	Driver Registration by Touching the Key	\checkmark

"Driver sign in by tag reading" - uncheck the box to disable driver registration when an RFID card is applied at the fuel tanker.

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