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Общие сведения

Индикатор объема топлива Omnicomm LLD предназначен для отображения объема топлива в топливных баках транспортных средств, дизельгенераторов или в стационарных емкостях.

В индикаторе Omnicomm LLD имеется возможность настроить для отображения один из дополнительных параметров: объем заправки; скорость ТС (только совместно с терминалами Omnicomm); объем топлива, выдаваемого топливозаправщиком (только совместно с терминалом Omnicomm Profi); значение с универсального входа терминала Omnicomm.

Индикатор Omnicomm LLD применяется только с датчиками уровня топлива Omnicomm LLS, имеющими цифровой интерфейс RS-485.

Технические характеристики

Таблица 1.

Характеристика	Значение
Напряжение питания	8 - 45 В
Потребляемая мощность	не более 2 Вт
Отображаемый объем	от 0 до 9999 л
Тип выходного интерфейса	RS-485
Скорость передачи данных по интерфейсу RS-485	до 115 200 бит/сек

Характеристика	Значение
Индикация на передней панели	один семисегментный индикатор на 4 разряда и три светодиода
Яркость свечения	Максимальная/Слабая/ Выключен
Режим работы	продолжительный
Диапазон рабочих температур	от - 40 до +70 °C
Степень защиты от проникновения пыли и влаги	IP41
Габаритные размеры	137x61x23 мм
Масса	не более 0,2 кг
Средний срок службы	8 лет

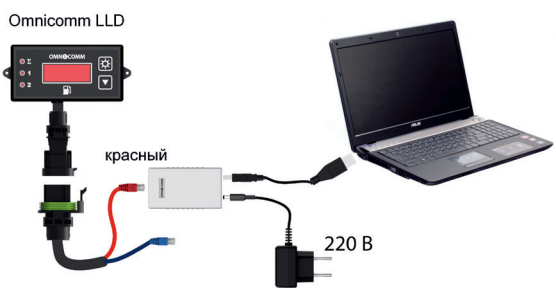


Рисунок 1. Схема подключения Omnicomm LLD к ПК с помощью УНУ

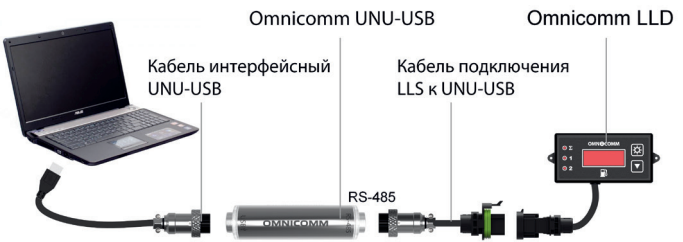


Рисунок 2. Схема подключения Omnicomm LLD к ПК с помощью UNU-USB

Комплектация

Таблица 2.

№	Наименование	Количество, шт
1	Индикатор объема топлива Omnicomm LLD	1
2	Комплект монтажных частей	1
3	Паспорт	1

Транспортирование и хранение

Изделия могут перевозиться в закрытом транспорте любого типа и на любое расстояние.

Перевозка изделий может осуществляться в транспортной таре при температуре окружающего воздуха от минус 60 до плюс 85 °С, с соблюдением мер защиты от ударов и вибраций.

Срок хранения изделия не должен превышать 5 лет с даты производства.

Условия хранения изделия в транспортной таре на складе потребителя должны соответствовать условиям 1 по ГОСТ 15150-69. Допускается хранение изделий по условиям 2 по ГОСТ 15150-69 на срок не более 6 мес. Воздух помещения не должен содержать агрессивных паров и газов.

Гарантии изготовителя

Гарантийный срок для Российской Федерации и стран СНГ не ограничен при соблюдении потребителем условий транспортировки, хранения, монтажа и эксплуатации, установленных эксплуатационной документацией.

Сведения о рекламации

На индикатор объема топлива Omnicomm LLD, вышедший из строя ранее гарантийного срока, предъявляется рекламация.

Рекламационные акты для Российской Федерации и стран СНГ направляются по адресу:

ООО «Омникомм Технологии»
Россия, 127055 г. Москва,
ул. Бутырский вал, д. 68/70, стр.1
8 800 100-24-42, +7 495 989-62-20
info@omnicomm.ru
omnicomm.ru

Свидетельство о приемке

Индикатор объема топлива Omnicomm LLD, соответствует техническим условиям
ТУ 26.20.16.140-025-03066711-2018 в объеме, предусмотренном для проверки на предприятии-изготовителе, и признан годным для ввода в эксплуатацию.



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General information

Omnicomm LLD fuel volume indicator is intended to display fuel volume of remaining fuel in the tanks of the vehicles, diesel generators and fuel storages.

Omnicomm LLD fuel volume indicator enables control over one of the following parameters: the amount of fuel filled in the tank during refueling, vehicle speed (with Omnicomm terminals only), volume of fuel dispensed by fuel tanker truck (with Omnicomm Profi terminals only) or value from Omnicomm terminal universal input.

Technical specifications

Table 1.

Parameter name	Value
Supply voltage	8 ... 45 V
Power intake	no more than 2 W
Volume displayed	from 0 to 9999 liters
Interface for interaction with external devices	EIA(RS)-485
Baud rate via EIA(RS)-485 interface, bit/sec	up to 115 200 bit/sec
Display pattern on the dashboard	one 4-digit 7-segment indicator and three LEDs
Light intensity	Maximum/Weak/Off
Operation mode	continuous
Range of operating temperatures	from -40 to +70 °C

Характеристика	Значение
Ingress protection rating	IP41
Overall dimensions	137x61x23 mm
Weight	no more than 0.2 kg
Average lifetime	8 years

Supply set

Table 2.

№	Name	Quantity
1	Indicator fuel volume Omnicomm LLD	1
2	Installation kit	1
3	Technical Data Sheet	1

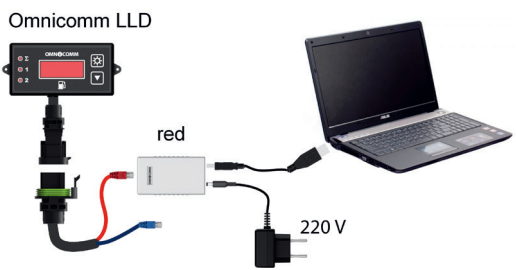


Figure 1. Omnicomm LLD to PC connection scheme with UNU



Figure 2. Omnicomm LLD to PC connection scheme with USB adapter Omnicomm UNU-USB

Transportation conditions

The Products are allowed to be transported in the enclosed transport of all types and over any and all distances.

The Products should be transported in transport pack at ambient temperatures ranging from – 60 to +85 °C. During transportation, the measures of protection against shocks and vibration should be implemented.

Omnicomm limited warranty*

OMNICOMM warrants that this product, under normal use and conditions, will be free from defects in materials and workmanship for a period of 36 months from the date of original purchase. OMNICOMM provides this limited warranty only to the person or entity (“Customer”) that originally purchased the product from OMNICOMM or its authorized Distributors, Resellers, Agents or System Integrators.

If a product proves defective during this warranty period, OMNICOMM, at its option, either will repair the defective product without charge for parts and labor, or will provide an exchange for the defective product.

WARRANTY APPLICATION

- Warranty services shall be obtained via the OMNICOMM office or authorized Distributor, Reseller, Agent, and System Integrator, through which the product has been purchased
- If the original Distributor, Reseller, Agent or System Integrator is no longer in business or unavailable, the Customer may contact OMNICOMM Global Support Center or the nearest OMNICOMM local office at support@omnicomm-world.com
- When requesting warranty service, the product, proof of purchase, product serial number and warranty reclamation report shall be provided
- OMNICOMM reserves the right not to offer the free warranty services if the above listed documents are not presented or if the information they contain is incomplete or illegible; this warranty shall not apply, if the model name or serial number of the product has been altered, erased, disappeard or became illegible
- If warranty service can be approved by an OMNICOMM engineer remotely, Omnicomm sends preventive warranty service replacement of the product; in this case Customer might be charged for all fees incured, in particular for freight, duties, taxes and brokerage fees
- If a detailed inspection in OMNICOMM labs is needed, Customer shall ship the equipment to the nearest regional office of

OMNICOMM or authorized Distributor, Reseller, Agent or System Integrator, with shipping charges and all fees paid by the Customer

- OMNICOMM will pay one way freight when sending back warranty replacement to client, shipping of non-warranty products back to client, is on Customer expense
- Time spent on warranty services shall be added to the warranty term. This time starts from the date on which the warranty reclamation report with all information listed above has been sent to OMNICOMM, or its authorized Distributor, Reseller, Agent, and System Integrator

LIMITATIONS OF WARRANTY

This warranty shall not apply to any defect, failure or damage caused by improper use or improper or inadequate maintenance and care, alterations, mishandling or accidents. OMNICOMM shall not be obligated to furnish service under this warranty to costs incurred for installation, removal or reinstallation or to damage to accessories or vehicle (equipment) electrical system, or mechanical parts.

In addition, this warranty shall not cover components expected to require periodic replacements during product life cycle such as batteries, cables et cetera, or installation, usage and maintenance of the product not in accordance with OMNICOMM instructions, technical standards and requirements listed in the product documentation. Free warranty services shall be annulled in case of fires, accidents, liquds, chemicals, floods, and excessive heat beyond the parameters indicated by OMNICOMM in the product documentation, as well as electrical overloads, voltage or supply of excessive or incorrect voltage, radiation, electrostatic discharges

including lightning, other exteral forces and impacts.

OMNICOMM provides no warranty of peripheral devices connected to its products or usage with such peripheral devices, terminals, and accessoires of a type, condition and starndard not confirmed by OMNICOMM.

Under no circumstances shall OMNICOMM, its Channel Partners like Distributors, System Integrators, Resellers, or its Employees, Officers, Directors and Agents be liable for any consequential, indirect, special, punitive, or incidential damages including but not limited to claims for loss of data, goodwill, inconvenience, delay, profits, use of financial or material assetts or use of OMNICOMM products and solutions, interruption in use or availability of data or electroncial systems or services.

OMNICOMM's entire liability and the exclusive remedy for claims related to or arising out the these terms and conditions for any legal cause and despite the form of action, whether in contract or in tort, statutory or otherwise, including negligence and strict liability, shall not exeed the amount of the purchase price paid. This limitation of liability shall be effective even if OMNICOMM has been advised of the possiblity of any such damages.

OMNICOMM neither assumes nor authorize any other person to assume for it any other liability in connection with the sales, installation, operation, maintenance or use of OMNICOMM's products and solutions.

OU OMNICOMM
Soldina tn 1, Narva 21004, Estonia, EU
+372 356-95-95
support@omnicomm-world.com
omnicomm-world.com

* Valid worldwide except Russia and the CIS.

Declaration of comformity

Hereby, OMNICOMM, declares that this Omnicomm LLD is in compliance with the essential requirements and other relevant provisions of the European Union. The declaration of conformity can be found at http://www.omnicomm-world.com.