

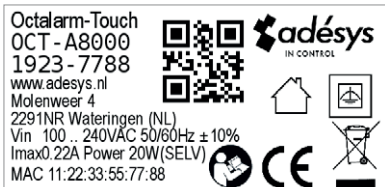
Quickstart Octalarm-Touch



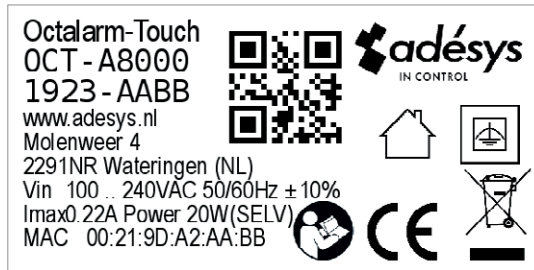
A0500.0030 | Version 01-2022

1. Technical specifications

System properties		
Contact inputs	Voltage	42V
	Impedance	10k pull-up to 12VDC
	V_{il}	<2V
	V_{ih}	>2.5V
	Note	Input can be a contact to GND or a voltage
Relay contact	Max load	30VDC / 2A, 30VAC / 1A (resistive load)
Open-drain output	Max switch voltage	12V/300mA
	Max load current	350mA
	Output voltage	12V/120mA
	Protection	Short-circuit, thermal
USB (master)	Type	2.0
	Load	5V/500mA
I/O bus	Output voltage	12V/100mA
	Driver	ISL3152 met "external fail-save biasing"
PSTN	Line	RJ11
	Phone	RJ11
Ethernet	Type	10Base-T/ 100Base-T
	Auto MDIX	Yes
	Intended use	Indoor
Mobile network (GSM)	Bands	LTE Cat. 4
		3G HSPA+
		FDD LTE: B1/B3/B5/B7/B8/B20 TDD LTE: B38/B40/B41 WCDMA: B1/B5/B8 GSM: 900/1800
	Bandwidth	1.4/3/5/10/15/20 MHz
Power	Class 3 (23dBm±2dB) for LTE FDD Class 3 (23dBm±2dB) for LTE TDD Class 3 (24dBm +1/-3dB) for TD-SCDMA Class 3 (24dBm +1/-3dB) for UMTS Class E2 (27dBm ±3dB) for EDGE 850/900MHz Class E2 (26dBm +3/-4dB) for EDGE 1800/1900MHz Class 4 (33dBm ±2dB) for GSM 850/900MHz Class 1 (30dBm ±2dB) for GSM 1800/1900MHz	
Power consumption	Nominal	5 Watt
	Maximal	20 Watt
	Imax	0,22A
	Input voltage range	100 ... 240VAC +/- 10%, 50/60 Hz
Tag	Frequency	13.56MHz
	Max range	10mm
Lifespan (Calculated MTBF)	10.64 years, according to parts count method	
Enclosure and operating conditions		
Enclosures	Wall mouting	
Dimensions (L x W x H)	280 x 242 x 42 (mm)	
Weight	1360gr (with battery and GSM module)	
Operating temperature	0°C ... +50°C	
Storage temperature	0°C ... +85°C	
Relative humidity	20% - 85% (non-condensing)	
IP code	IP42	
Operating altitude	Up to 2000 metres	
Regulations		
EMC	EN 301 489-1 V2.1.1 / EN301 489-3 V1.6.1	
LVD	EN 62368	



Octalarm-Touch Marking plate label Enclosure, Europa (51 x 25mm)



Octalarm-Touch Marking plate label packaging, Europa (71 x 36mm)



2. Installation

2.1. Mounting the Octalarm-Touch

Before connecting the Octalarm-Touch, the unit needs to be mounted on a wall or solid object. The Octalarm-Touch can be mounted by first placing screws in the wall before sliding the mounting holes on the device over them. The screws must be capable of supporting at least 1360 grams.

2.2. Connecting the Octalarm-Touch

To connect the Octalarm-Touch, the cables must be connected to the proper connection. These connections can be recognized and distinguished by the connection sticker.



Connector description		
1	Primary power (C5 connector)	
2	PSTN line in (RJ11)	
3	PSTN Phone (RJ11)	
4	USB port for service purposes	
5	Ethernet RJ45	
6	Relay contacts	
7	Open-drain outputs	
8	Inputs	
9	RS485 data connection	
10	Connector for batterij	

3. More system features

3.1. Screen



Scherm pictogrammen		
1	RFID reader	
2	Brand logo	

The screen is made of glass with a touchscreen in the middle as seen in the picture above. Do not use hard objects on the touchscreen as these will leave scratch marks and potentially cause it to become inoperable.

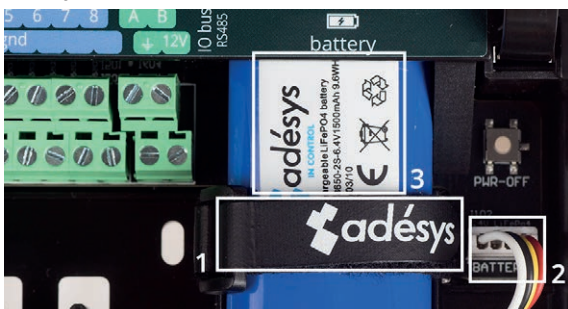
To use RFID, place an RFID tag within 10 mm of the RFID reader.

3.2. Power

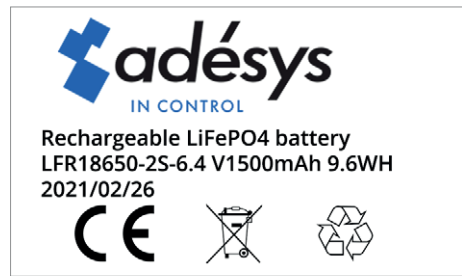


Placing the power cable in the S-shaped holder creates a strain relief. When replacing or using a power supply cord not included by Adésys the power supply cord must comply with IEC 60227-1.

3.3. Battery



Battery compartment	
1	Velcro fastener
2	Battery connector location
3	Battery label



Batterij label (Europe)

Place the battery on the battery flat and secure it tightly with Velcro. Then connect the connector.

Caution:

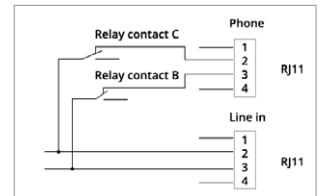
Only use the battery for the Octalarm-Touch (S-Batt-6.4V) supplied by Adésys.

This battery has been developed by Adésys, has been fully tested and has a communication chip. There is no other battery manufacture in the world that is suitable for the Octalarm-Touch. (Replacing the battery with an incorrect type may cause damage to the device and the battery.)

3.4. PSTN configuration

There are 2 ways to connect the Octalarm-Touch to the PSTN:

- standalone;
- Additional telephone devices on the same PSTN line (Fax / Central Office etc.).



The PSTN line can be connected to the Octalarm-Touch's

RJ11 "Line In" connector. In case additional devices need to be connected to the same PSTN line, it is very important that no other device can occupy this line, when the Octalarm-Touch has to call out an alarm message. By doing so no other device can interfere with the alarm device.

When an alarm message has to be sent out, all other PSTN devices are automatically disconnected from the PSTN line by means of a "Line-Seize" relay.

Caution:

Users must check that the "Line Seize" feature is working properly immediately after installation and repeat this check frequently. This is necessary in order to ensure that the device can initiate a call even if the line is being used by other devices, such as a phone, answering system, computer modem, etc.

3.5. GSM module



Antenna connector (SMA female).
Maximun antenna gain: +8dBi

To use the GSM module, place a SIM-card in the GSM module and slide the module into place.

The SIM card is placed on the bottom of the GSM module. The module can then be pushed into the GSM compartment until it clicks.



3.6. EM-8001 (external module): number of inputs increased



The EM-8001 can be used to extend the number of inputs on the Octalarm-Touch to 16 or even 24 (max. 2 modules per alarm). The EM-8001 is connected to the Octalarm-Touch via the I/O bus (RS485).

4. Safety rules

To use the Octalarm-Touch properly, please read and follow these safety rules:

- mount the device on a solid panel or wall;
- the Octalarm-Touch must be mounted below 2 meter height;
- protect the Octalarm-Touch against a surge by using a grounded power connection;
- do not use an outdoor ethernet connection directly, instead use a surge protected switch or router;
- use the Octalarm-Touch in an indoor setting, the device needs to be protected from direct weather exposure;
- the device operates at temperatures from 0°C to +50°C. Using the Octalarm-Touch outside this temperature range may result in damage;
- this equipment is not suitable for use in locations where children are likely to be present;
- the recycling and/or disposal will have to be done by following the guidelines stated in this quickstart.

Battery handling guide

- Only use the battery for the Octalarm-Touch (S-Batt-6.4V) supplied by Adésys. This battery has been developed by Adésys, has been fully tested and has a communication chip. There is no other battery manufacture in the world that is suitable for the Octalarm-Touch. The use of an incorrect type of battery could cause an explosion.
- Do not expose battery to temperature over +85°C or an open flame.
- Do not damage the Octalarm-Touch battery. Do not damage the unit by dropping, deforming, impacting, cutting or penetrating with a sharp object.
- Do not charge or discharge damaged battery.
- Keep the battery away from direct contact with liquids. Do not use if battery is wet or moist is visible;
- The recycling and/or disposal will have to be done by following the guidelines stated in this quickstart.



5. Maintenance

For an optimal use of the Octalarm-Touch the following maintenance rules must be applied:

- change the battery every 2 years;
- keep the screen clean of grease, water and dust;
- the calculated lifespan is 10.64 years. Replace the Octalarm-Touch after this period has elapsed.

6. Storage and transport

- Store and transport the product on a flat surface.
- There must be no flammable or explosive materials nearby.
- The temperature must be within the 0°C and +85°C range.
- Do not store this product in a place exposed to direct sunlight.
- If the Octalarm-Touch pro is not connected for more than a year, the internal clock will lose its correct time/date.
- To preserve the battery life, it is not advisable to leave the Octalarm-Touch pro disconnected from the mains for more than a year.

7. Malfunctions and repairs

When a fault has occurred please contact Adésys service helpdesk. By opening the Octalarm-Touch the warranty is void. Repairing the Octalarm-Touch is only allowed by Adésys appointed experts.

8. Recycling and disposal

The Octalarm-Touch is an electronic device. Electronic devices should not be mixed with general household waste. For disposal of your Octalarm-Touch, please contact your installer or Adésys.



When batteries are at their end-of-life they should be disposed separately from general household waste. Correctly dispose of batteries at your local waste collection point or recycling centre. Throwing the empty battery in a fire or hot oven may cause an explosion. Cutting or crushing a battery may also cause an explosion.

9. Warranty and liability

Every Octalarm-Touch undergoes a series of extensive tests at Adésys prior to dispatch. Adésys also gives a two year guarantee. The guarantee becomes invalid if:

- the defect is caused by gross negligence or incompetent installation;
- the appliance has been repaired and/or altered without Adésys' permission;
- it is established that the serial number has been removed or damaged.
- Adésys accepts no liability whatsoever for consequential damage caused by incompetent use of and/or malfunctions in the Octalarm-Touch.

10. Accessories included



Power cable

Length: 1,5 metres
Connector type: C5
Plug: EU-plug



Battery

Rechargeable LiFePO4 battery
LFR18650-2S
6.4 V/1500mAh
9.6WH



GSM module

LTE Cat. 4 (including SIM card)

Note:

is not activated by default. Can be activated during installation, after which Octalarm Connect als can be used.



Antenna

SMA connector



Tag

Number: 3 pieces
Type: RFID
13.56MHz



Quickstart

Installation manual in:

- English (EN)
- Dutch (NL)
- German (DE)
- French (FR)

How to optimally use your dialler



1

Create a free account at portal.octalarm.com

- ✓ Remote setup and management
- ✓ View current status alarms
- ✓ Installer can provide remote support
- ✓ Possible to use app "Adesys Alarm"



2

Download the free app "Adesys Alarm"

- ✓ Access your dialler(s) literally from your pocket
- ✓ High priority alarms always on your mind
- ✓ Location alarm immediately visible via app alarm



3

Activate Octalarm Connect

- ✓ Reliable VoIP / SIP and GSM calling connection set up in one go
- ✓ Fixed price per month (flat fee)
- ✓ 24/7 secured duplicate servers

Complete manual available on website

