



**Octalarm**

# Alarm solutions for critical technical processes

QUICK RESPONSE IS ESSENTIAL IN THE  
EVENT OF CRITICAL SYSTEM FAILURES

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**Adésys is a leading manufacturer of alarm devices, specialising in products and services for measurement, alerts and connectivity within critical business processes.**

Since our founding in 1983, we have expanded our innovative solutions from the horticulture sector and intensive livestock farming to sectors such as water management, the refrigeration sector, building management, and industry. Our goal is clear: wherever smart measurement, alarm, and connectivity solutions are needed, we offer a suitable solution

## Seamless Integration

Our team of dedicated employees develops smart and well-thought-out products for critical business processes. Because we design and manufacture all our products in-house, we make optimal use of our experience, expertise, and resources. As a result, our solutions meet high quality and safety standards and seamlessly align with our customers' wishes and needs.

## Proven in critical environments

Our alarm diallers are used on a daily basis by large organisations, including water treatment companies. It is precisely in environments where continuity and safety are essential that you need to be able to rely on technology that always works.



**Safe and reliable**



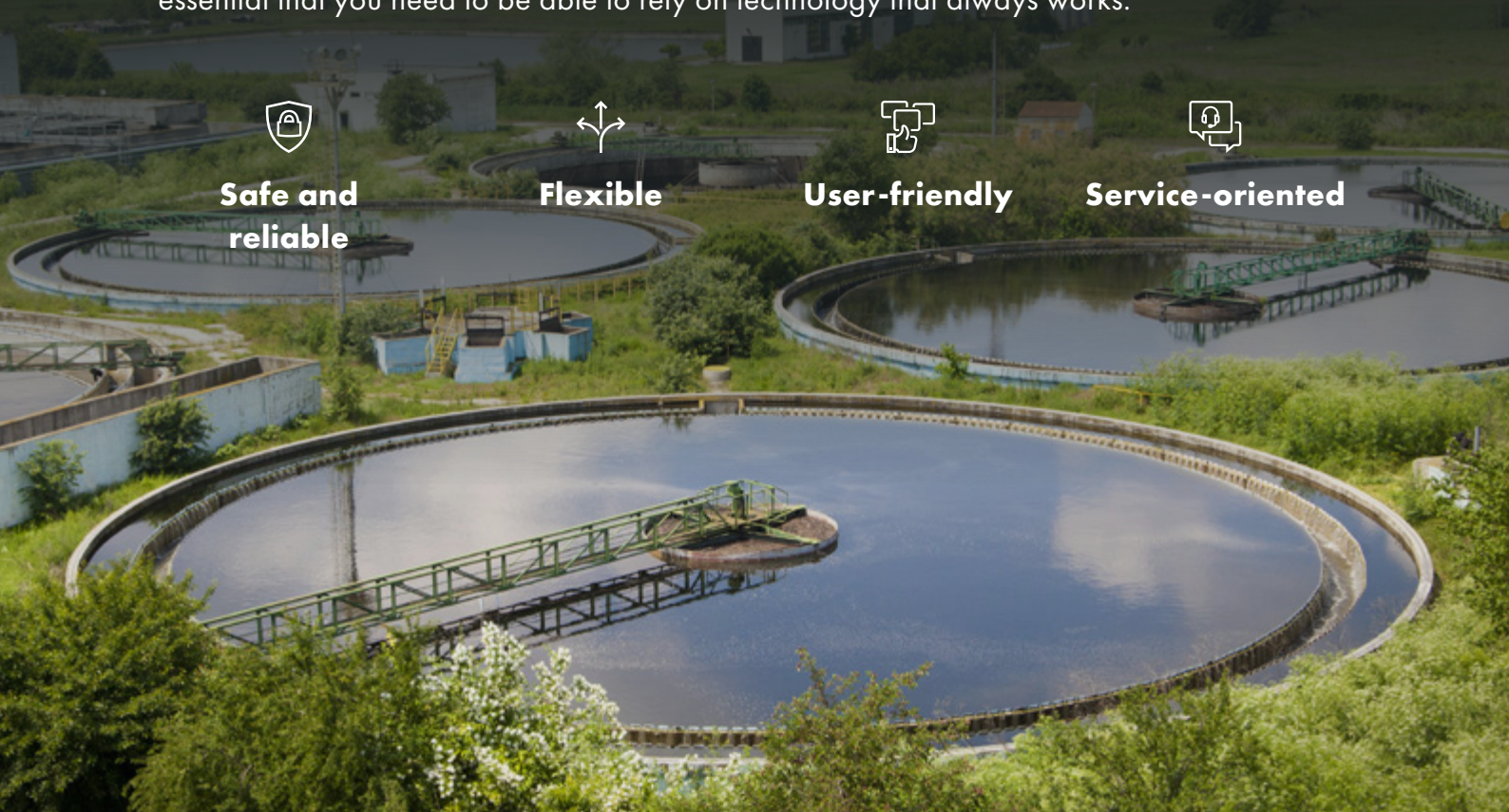
**Flexible**



**User-friendly**



**Service-oriented**



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# The failure of a critical system can have serious consequences

Some technical faults cause an immediate shutdown, whilst others only lead to problems later on and escalate gradually. Furthermore, if faults are not addressed quickly and correctly, additional damage to machinery or installations may occur.

It is therefore essential that faults and failures are reported immediately to the on-call maintenance engineer(s). This enables rapid intervention and ensures continuity and safety.

The alarm devices from the Octalarm range have been specially developed for monitoring critical technical processes. As soon as a fault occurs, the device automatically initiates the alarm calls. This allows timely action to be taken, preventing damage, downtime and loss of production.

## This is what Octalarm alarm diallers do:

- ✓ Outgoing calls via three parallel, redundant connections: PSTN (analogue telephone line), VoIP (fixed internet via VPN) and 4G (wireless connection via VPN/GSM).
- ✓ Alarm notification via automatically generated voice messages, pager (via SOAP and API) and push notifications via the smartphone app (app alerts).
- ✓ Built-in emergency power supply (LiFePO<sub>4</sub>) for alarm notification in the event of a power failure.
- ✓ Developed in collaboration with insurers and therefore also recommended by them.



# The right device for every situation

The most suitable device depends on the situation that needs to be monitored. Various factors play a role here, such as legislation and regulations, the size of the site or installation, and the extent to which processes are business-critical.

For example, it may be necessary to comply with the requirement for a minimum of two telephone lines; a larger scale calls for more extensive monitoring; and, in the case of critical processes, maximum reliability is essential to prevent breakdowns in the chain.

## Features

### *Octalarm*-TOUCH



- ✓ Replacement for outdated alarm devices, such as the Octalarm-T and the Octalarm-IP.
- ✓ Suitable for contact-controlled alarms.
- ✓ Complies with legislation and regulations for intensive livestock farming.
- ✓ Approved by insurers and therefore suitable for horticulture and intensive livestock farming.
- ⦿ Can be expanded with the duty schedule module.

## Octalarm-TOUCH PRO



- ✓ All the features of the **Touch**.
- ✓ Two Ethernet ports for separate networks.
- ✓ Connect to both technical and operational/public networks.
- ✓ Suitable for environments where data security is important.

### ○ Expandable with Octalarm Link:



- ✓ Network-controlled alerting with watchdog monitoring.
- ✓ Integration with Certhon Greenhouse Solutions, DMP VEC, GE Vernova Cimplicity HMI SCADA, Hoogendoorn iSii and IIVO, Priva Office and Siemens PLC S7-1200 and S7-1500 series.
- ✓ An alternative when ARA is too large-scale.

## ARA - PRO NEXT



- ✓ All the features of the **Touch** and **Touch Pro**. Not suitable for use with EM-8001 expansion modules.
- ✓ Replaces the outdated ARA-Pro 5.
- ✓ Alarm management system for large volumes of alarms.

- ✓ Suitable for complex technical processes.
- ✓ For situations where a single alarm dialler is no longer sufficient.
- ✓ Dashboard for alarm logging and handling.
- ✓ Duty schedule module included as standard.
- ✓ Octalarm Link included as standard.
- ✓ Can be expanded with additional digital inputs via Dupline I/O.
- ✓ Support from Adésys is provided for implementation, installation and training.

These lists highlight the differences between the various devices and help you make the right choice for each situation. At the end of this brochure, you will find a complete overview of all the features and differences between the diallers.



# How to get the most out of your Octalarm alarm diallers

## Create a free account on the **Octalarm Portal** ([portal.octalarm.com](https://portal.octalarm.com))

- ✓ Access your Octalarm alarm diallers anytime, anywhere.
- ✓ Remotely configuring and managing the alarm diallers makes them even easier to use.
- ✓ View multiple devices across different locations.
- ✓ Simpler helpdesk support and faster responses to technical queries.



→ [Read more about the portal](#)

## Sign up for **Octalarm Connect**

- ✓ Make calls at a low, fixed monthly cost.
- ✓ With Connect, you make calls via a redundant connection: mobile and VoIP sorted in one go.
- ✓ Minimise risks with Adésys's 24/7 secure, dual servers.



→ [View the subscriptions](#)

# Download the free **Adésys Alarm App**

- ✓ Receive alarm notifications directly on your mobile phone.
- ✓ Easily review and acknowledge alarms via the app.
- ✓ Stay extra alert to critical alarms thanks to push notifications: alarms always sound, even if your phone is on silent.
- ✓ View an up-to-date overview of active alarms and statuses at a glance.
- ✓ Easily adjust settings and manage devices remotely via your phone.
- ✓ Insurers recommend this solution.

→ [Read more and download the app](#)



## Frequent changes to shifts? Make use of the **Duty schedule module**



- ✓ Easily schedule changing on-call shifts for longer periods. There is no need to reschedule, ensuring continuity.
- ✓ Gaps in the rota are visible at a glance.
- ✓ Multiple weekly schedules are possible for varying working hours.
- ✓ Multiple on-call preferences can be set for each contact.
- ✓ Multiple attempts to contact a single person are possible before switching to the next.
- ✓ Temporary changes, such as holidays, can be easily planned in advance.
- ✓ You can process sick leave quickly and easily with a single tick.

*The duty schedule module is available as an add-on licence for Touch and Touch Pro and is included as standard in ARA.*

→ [Watch the animation](#)

## EM-8001 (expansion module)

- ✓ Expands the number of inputs from 8 to 16, 24, 32 or even 40.
- ✓ External I/O modules can be deployed at other locations.
- ✓ Thanks to the RS485 communication bus, distances of several hundred metres can be bridged.
- ✓ All alarms from different locations are consolidated on a single dialler.
- ✓ DIN rail unit with the option of wall mounting.



*The expansion module cannot be used in combination with ARA.*

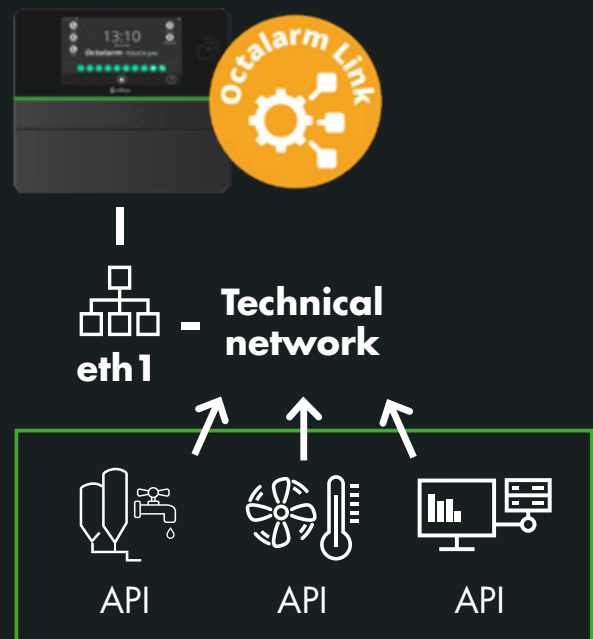
# REST API for network-controlled alarms

Get more out of your technical systems with Octalarm Link. With this powerful REST API, you can easily send large numbers of alarms via your own network. Effortlessly connect the alarm dialler to, for example, feed and climate control computers, SCADA systems, PLCs or other process computers, and receive the correct alarm information immediately when it matters most.

Thanks to network-controlled alerting, your service staff immediately have access to detailed and up-to-date fault information. This means staff know straight away what is happening, can respond more quickly, and faults are dealt with in a targeted and efficient manner. The result: greater control over your processes, shorter response times and higher operational reliability.

- ✓ Monitor your technical systems with watchdog monitoring.
- ✓ Receive detailed notifications directly from your technical systems.
- ✓ Configure locations and alarms automatically.
- ✓ Group alarms clearly by category.
- ✓ Easily set up call lists based on alarm categories.
- ✓ Integration achieved with Certhon Greenhouse Solutions, DMP VEC, GE Vernova Cimplicity
- ✓ HMI SCADA, Hoogendoorn iSii and IIVO, Priva Office and Siemens PLC S7-1200 and S7-1500 series.
- ✓ An Adésys engineer will assist you in setting up Octalarm Link.

*Network-controlled alarms only apply to ARA and diallers with an Octalarm Link licence.*



[→ More about Octalarm Link](#)

# All features and differences clearly summarised

**Legend:** ✓ : Standard feature    ● : Optional    - : Not available

## Safe and reliable

PRODUCT FEATURE	TOUCH	TOUCH PRO	ARA
Second network interface for separate technical network	-	✓	✓
Monitor technical systems with watchdog monitoring	-	●	✓
Triple security: three parallel connections for redundancy	✓	✓	✓
Secure connections using OpenVPN principle	✓	✓	✓
Built-in emergency power supply (LiFePO4) for power failure notification	✓	✓	✓

## Alerting

PRODUCT FEATURE	TOUCH	TOUCH PRO	ARA
Detailed alarms from technical systems (with Octalarm Link)	-	●	✓
Automated configuration of locations and alarms (with Octalarm Link)	-	●	✓
Grouping alarms into categories (with Octalarm Link)	-	●	✓
Expandable with external module EM-8001 for up to 4×8 additional alarm inputs	✓	✓	-

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## Alert types

PRODUCT FEATURE	TOUCH	TOUCH PRO	ARA
Automatically generated voice messages	✓	✓	✓
Text and Email messages	✓	✓	✓
Paging (via SOAP and API)	✓	✓	✓
Smartphone app: push alerts	✓	✓	✓

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## Alert functions

PRODUCT FEATURE	TOUCH	TOUCH PRO	ARA
Network-controlled alarms via Adésys standard Octalarm Link (JSON REST API)	-	●	✓
Integration with Dupline I/O system	-	-	✓
Receive alarm messages from Touch and Touch Pro diallers on the same network	-	-	✓
Alarm bank system	-	-	✓
Adjustable input delay per input	✓	✓	✓
Reset alarms with personal code	✓	✓	✓
Automatic repeat calls	✓	✓	✓
Day, night, and weekend mode with alternative numbers	✓	✓	✓
Local alarm via built-in buzzer and LED bar	✓	✓	✓
Separate system failures (mains failure and internal failures) and multiple alarms function	✓	✓	✓



## User-friendly

PRODUCT FEATURE	TOUCH	TOUCH PRO	ARA
Easy configuration of call lists via alarm categories (with Octalarm Link)	-	○	✓
Duty schedule	○	○	✓
Alarm registration and processing dashboard: overview of alarm statuses	-	-	✓
Advanced voice synthesis	✓	✓	✓
Octalarm Connect (XL): service for fast start-up and alerting via GSM and/or VoIP	○	○	○
Remote setup and management via:			
• Adésys Alarm App (iOS and Android)	✓	✓	✓
• Octalarm Portal	✓	✓	✓
• Web browser (local)	✓	✓	✓
Intuitive setup and daily use with 7-inch touchscreen	✓	✓	✓
Eye-catching LED bar for status display	✓	✓	✓
Commissioning setup wizard for basic settings	✓	✓	✓
Quick access to contacts, alarms, settings, and logbook from dashboard	✓	✓	✓
Access via RFID tag and/or personal code	✓	✓	✓
No firewall issues (VPN) and no manual Email settings (SMTP) required	✓	✓	✓

## ☰ System properties

PRODUCT FEATURE	TOUCH	TOUCH PRO	ARA
Additional (2 <sup>nd</sup> ) network connection for technical network (eth 1)	-	✓	✓
Network connection for public network (eth0)	✓	✓	✓
JSON REST API (Octalarm Link)	-	●	✓
Link to ARA-Pro (ARA 5)/ARA-Pro Next	✓	✓	N/A
Link to Dupline I/O system	-	-	✓
8 alarm inputs, 2 switchable relay outputs, and 2 open collector outputs for external buzzer	✓	✓	✓
Expandable with external module EM-8001 for up to 4×8 additional alarm inputs	✓	✓	-
Built-in emergency power supply (LiFePO4) for power failure notification	✓	✓	✓

## Technical specifications

### Octalarm alarm diallers

→ [Read the technical specifications](#)

### EM-8001 (expansion module)

→ [Read the technical specifications](#)



IN CONTROL



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