

# ONE



EN54-16 EN54-4 Public Address Background Music and Voice Alarm System

The power behind **your mission**





## Who said small?

ONE is a complete EN 54-16 certified public address, background music and voice alarm system that includes an integrated EN 54-4 battery charger in the same device.

ONE has an innovative Wall & Rack design that allows it to be mounted on both the wall and the rack, according to the needs of each project. It is specifically designed for small and medium installations.

The ONE system is very easy to install and configure, without the need for external applications, and it integrates perfectly with third-party technologies.

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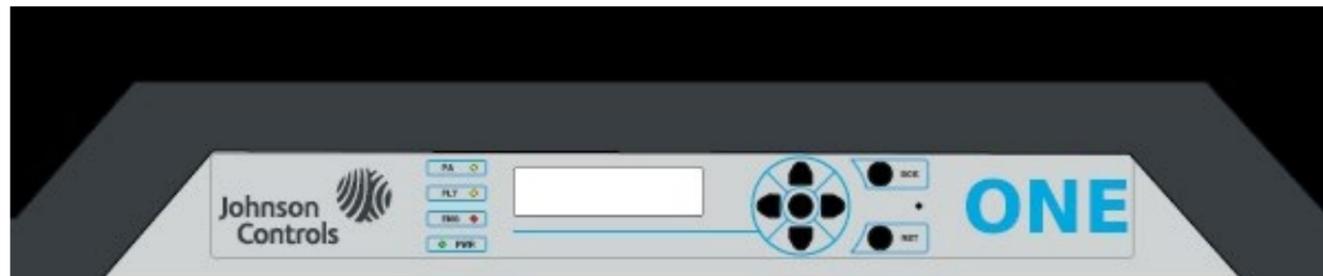
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EN 54 -16  
EN 54 -4

# ONE-500

## MAIN UNIT 2 X 500 W (TOTAL MAXIMUM 500W\*)

\*500 W according to EN 60065. 200 Wrms according to EN 54-16.



## Technical specifications

EN 54-16 certified system, with EN 54-4 integrated battery charger and holder
Wall & Rack design, suitable for 19" rack or wall mounting
All-in-one and extremely compact unit
Plug & Set mode, easy to install, configure and maintain
Reliable and safe in any situation

### ONE-500 FEATURES

- 1- EN 54-16 and EN 54-4 certified
- 2- Advanced functions
- 3- Wall & Rack design
- 4- Easy installation and maintenance

# ONE-500

## Features

### Guaranteed by International Certifications

With the ONE system any kind of installation can access to cutting edge features in public address, background music and voice alarm systems. The ONE-500 unit is certified under the EN 54-16 international standard, and its battery charger and holder are EN 54-4 certified.

### Top Functionality

ONE has two class D amplifiers up to 500 W power (total maximum 500 W\*) and one backup amplifier. With 6 outputs/zones, 3 analogic audio inputs and an expandable digital 6x6 audio matrix, ONE offers great versatility to fit into small and medium installations.

### Minimalist and Compact

ONE works with other equipments using standard Ethernet networks and universal protocols such as Cobranet, Flexnet and RS-485. This high connectivity makes it work fine without special cabling in any installation through the data network.

### Configuration and Start-Up Without Effort

There is no need to use external applications to make ONE fully operational without delay, integrating at ease with third-party technologies. Installation, start-up and maintenance of a ONE system are very easy, saving both time and costs.

## ONE-500 Main unit inside



- 1 - 6 outputs/zones. Digital 6x6 audio matrix, expandable.
- 2 - 2 class D amplifiers with two configurations for 100/70 V lines up to 500 W\*. Backup amplifier included.
- 3 - EN 54-4 battery charger and 12 V 18 Ah battery.
- 4 - 3 audio inputs (BGM or mic) + 1 mixed input. Noise gate and contact closure for control.
- 5 - Paging station input up to 8 MPS-8Z multizone microphones or VAP-1 voice alarm panel.
- 6 - Dual message player for pre-recorded messages EVAC + ALERT. Phased evacuation. 10 minutes storage for pre-recorded messages.
- 7 - LCD display and control (access control).
- 8 - Wall & Rack design, easy to install. Plug & Set mode for EN 54 PANA.
- 9 - 8+2 GPIO ports (supervised for integration with Fire Alarm Control Panel).

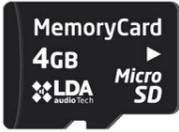
- 10 - Attenuators control.
- 11 - 4 pre-amp outputs for external PA amplifiers connection
- 12 - DSP: 3/7-band input/output parametric equalizer, loudness, sound enhancer independent volume control per each input and master volume for outputs.
- 13 - Loudspeaker lines supervision. Line terminator without return for supervision.
- 14 - Failure detection and indication in all emergency functions. USB backup/restore and emergency lag.



Wide range of accessories

# ALL THE FLEXIBILITY

## Of a Wide Range of Accessories



**Battery Charger Card ONE-BC1**  
EN 54 certified

EN 54 certified battery charger in card format for ONE unit.



**Battery EQ-246113**

12 V and 17 Ah lead-acid battery for ONE-500.



**Microphone MPS-8Z**  
EN 54 certified

Paging station with 8 zone buttons, 1 for events and 1 for memory.



**Microphone A-1**

One zone desktop microphone with lighting indicators and microcontroller.



**Voice Alarm Panel VAP-1**  
EN 54 certified

EN 54 certified emergency panel with event button and access to evacuation functions.



**Wall-Mounted Cabinet RACIK-4ALT**

19" and 4U wall-mounted rack cabinet with glass front door and lock.



**Rack Mounting ONE-RMA**  
EN 54 certified

EN 54 certified 19" rack mounting kit for ONE unit.



**Wall Mounting ONE-WMA**  
EN 54 certified

EN 54 certified wall mounting kit for ONE unit.



**Expansion Keyboard MPS-8K**  
EN 54 certified

EN 54 certified expansion unit for MPS-BZ paging station with 8 programmable buttons.



**End of Line Device TFL-2**  
EN 54 certified

Filtered load impedance far 70/100 V speaker lines.



**Expansion Keyboard VAP-8K**  
EN 54 certified

EN 54 expansion unit for VAP-1 with 8 programmable zone buttons.



**Wall-Mounted Cabinet RACK-6ALT**

19" and 6U wall-mounted rack cabinet with glass front door and lock.

### **About Johnson Controls**

At Johnson Controls, we transform the environments where people live, work, learn and play. From optimizing building performance to improving safety and enhancing comfort, we drive the outcomes that matter most. We deliver our promise in industries such as healthcare, education, data centers, and manufacturing. With a global team of over 100,000 experts in more than 150 countries and over 130 years of innovation experience, we are the power behind our customers' mission. Our leading portfolio of building technology and solutions includes some of the most trusted names in the industry, such as Tyco®, YORK®, Metasys®, Ruskin®, Titus®, Frick®, PENN®, Sabroe®, Simplex® and Grinnell®.

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