

# Natron WE-A

## Fire alarm wireless gateway module

### with built-in isolator

EN 54-18

EN 54-17

EN 54-25



- Bi-directional wireless communications
- Up to 5 wireless gateways to iRIS8/iRIS4 addressable panel
- Up to 32 NATRON series wireless devices enrolled to a gateway module

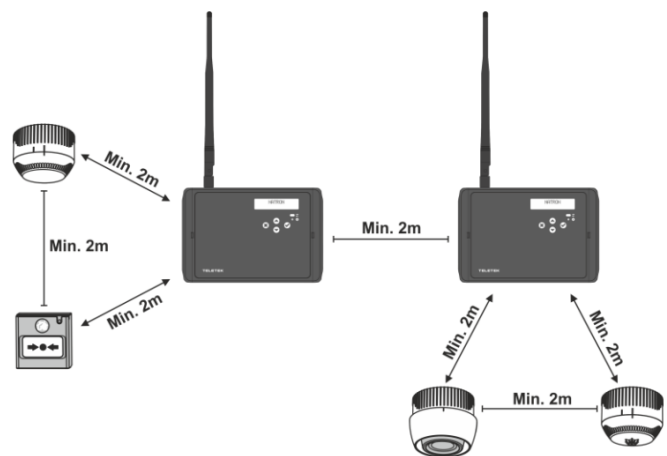
Natron WE-A is an addressable wireless gateway module designed for operation with iRIS8 and iRIS4 addressable fire alarm panels. Natron WE-A is powered directly by the loop line and can be controlled via the communication protocol. Natron WE-A has a built-in isolator module.

Up to 5 Natron WE-A wireless gateway modules can be connected to a single iRIS8/iRIS4 fire alarm control panel. Natron WE-A communicates with Natron series wireless devices enrolled to its configuration. Up to 32 wireless devices can be enrolled to each gateway module, giving a total of 160 wireless devices per system. Each wireless device receives an own address in the panel configuration and can be managed independently.

Natron WE-A is mounted in a compact plastic enclosure box suitable for wall mounting. The information of the status of the enrolled wireless devices is presented on a LCD text display. A dipole SMA type antenna is supplied with the gateway module to ensure wide covering range and stable communication with the enrolled wireless devices.

## Features

- Built-in isolator module
- Up to 5 wireless gateway to iRIS8/iRIS4 addressable panel
- Up to 32 NATRON series wireless devices enrolled to a gateway module
- 160 wireless devices per system
- Dipole antenna, SMA connector type
- Event messages for wireless device status: low battery, tamper, lost device
- Menu for reviewing the signal strength of the enrolled devices
- LCD display, dot matrix 16x2
- Loop powered
- Multilanguage menus
- Standards applied: EN 54-18; EN 54-17; EN 54-25



Last update: 08.2023

# Technical Specifications

<p>Loop Characteristics:</p> <ul style="list-style-type: none"> <li>- Operating voltage</li> <li>- Nominal consumption, LCD display ON</li> <li>- Nominal consumption, LCD display OFF</li> <li>- Max. consumption, LCD display ON</li> <li>- Max. consumption, LCD display OFF</li> </ul>	<p>17-30V DC 12mA@29V DC 9mA@29V DC 17mA@16V DC 13mA@16V DC</p>
Radio frequency	868MHz
Communication type	Bidirectional
Communication protocol	NATRON TTE
Radio signal modulation type	GFSK
Number of frequency channels	6 pair channels
Radiated power	≤ 25 mW
Receiver category (EN300-220-1)	1.5
Max. connected wireless expanders to iRIS8/iRIS4 panel/building	5
Max. enrolled wireless devices to an expander module	32
Communication range with Natron wireless devices (open space*) * Depends on system/control panel capacity and building structure	1500m
Trace attenuation	> -90dBm
<p>Antenna:</p> <ul style="list-style-type: none"> <li>- Type</li> <li>- Frequency</li> <li>- Impedance</li> <li>- Type of Radiation</li> <li>- Gain</li> <li>- Connector type</li> <li>- Dimensions</li> </ul>	<p>Dipole antenna 866-870MHz, Center 868Mhz 50Ω Omni-directional 2 dBi SMA Male (Swivel) 242x12.5mm</p>
Operation temperature	-10°C to +55°C
Related humidity resistance (no condensation)	(93±3)%@ 40°C
<p>Enclosure box:</p> <ul style="list-style-type: none"> <li>- Material</li> <li>- Dimensions</li> <li>- Color</li> <li>- Protection</li> <li>- Weight (with mounted PCB and antenna)</li> </ul>	<p>ABS 191x125x60mm RAL 7024 (graphite grey) IP66/68 ~ 180g</p>