Natron WE-A

EN 54-18
EN 54-17
EN 54-25

Addressable fire alarm wireless gateway module with built-in isolator



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

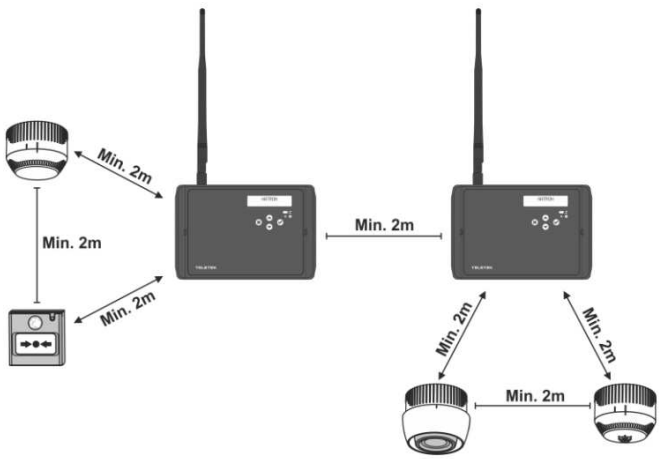
Natron WE-A is an addressable wireless gateway module designed for operation with iRIS8 and iRIS4 addressable fire alarm panels. Natron WE-A is powered directly by the loop line and can be controlled via the communication protocol. Natron WE-A has a built-in isolator module.

Up to 5 Natron WE-A wireless getaway 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: 05.2023

TELETEK

info@teletek-electronics.bg
teletek-electronics.com

Technical Specifications

Loop Characteristics: - Operating voltage - Nominal consumption, LCD display ON - Nominal consumption, LCD display OFF - Max. consumption, LCD display ON - Max. consumption, LCD display OFF	17-30V DC 12mA@29V DC 9mA@29V DC 17mA@16V DC 13mA@16V DC
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
Antenna: - Type - Frequency - Impedance - Type of Radiation - Gain - Connector type - Dimensions	Dipole antenna 866-870MHz, Center 868Mhz 50Ω Omni-directional 2 dBi SMA Male (Swivel) 242x12.5mm
Operation temperature	-10°C to +55°C
Related humidity resistance (no condensation)	(93±3)%@ 40°C
Enclosure box: - Material - Dimensions - Color - Protection - Weight (with mounted PCB and antenna)	ABS 191x125x60mm RAL 7024 (graphite grey) IP66/68 ~ 180g