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Illumino Ignis Ltd™
LIGHTING & FIRE DESIGN, SUPPLY & SUPPORT

Hybrid Wireless Single Output Module

Radio - Devices

Part No. EK-WL8-OUT

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Product Details

A Wireless Single Channel Output Module which allows the control panel to switch the circuits of an external device wirelessly via an Ekho Translator/ Expander module.

The unit provides a switched voltage output (24 VDC recommended) or a N/O contact only.

Optional back box is available.



Key Features

- Approved to EN54-18 and 25
- RED compliant
- Contact can be configured with 2 options:
  - 24 VDC Output
  - N/O Contact
- Bi-directional wireless communication
- Up to 10 years battery life*
- Self optimising wireless amplitude and frequency
- Includes a fault monitoring input.

Technical Specifications

Operating frequency range	866 - 869.85 MHz	
Communication range (in open air)	1200 m	
Modulation type	GFSK	
Operating frequency channels	6	
Max. radiated power	≤ 25 mW	
Time period between wireless signal	2 minutes	
External power supply voltage	12 - 24 VDC	
Operating temperature range	- 10 °C to + 55 °C	
Switched voltage rating*²	30 VDC / 250 VAC @ 8A	
IP Rating	IP41	
Max tolerated humidity	93% RH (non-condensing)	
Weight (g) / Dimensions (mm)	350 / H 143 x W 210 x D 42 without Back box	
Power supply (Dual 3V lithium batteries)	1 x Primary cell (CR123A)	1 x Secondary cell (CR123A)
	1.2 Ahr	1.2 Ahr
	Up to 10 years primary battery life*	8 months secondary battery life

*Dependant on operational usage *²Supply voltage dependant

Standards & Approvals

EN5-18 Input/Output devices

EN54-25 Components using Radio Links

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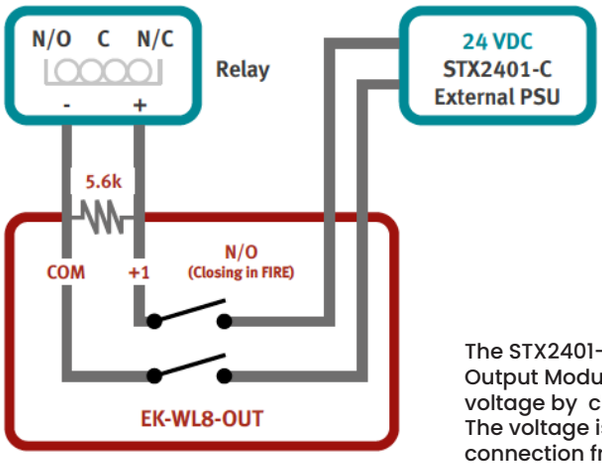
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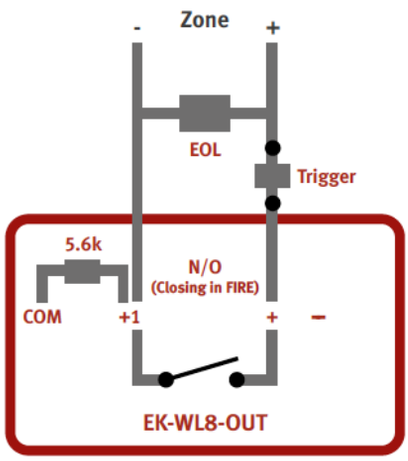
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Relay Diagram Option 1



The STX2401-C external PSU will supply the voltage to the power terminals of the Ekho Output Module. When the fire alarm is activated, the Output Module will switch the voltage by closing the two contacts.
The voltage is then transferred to the COM and +1 terminals. Please note that a connection from these terminals to a third party relay unit is required.
The voltage will then be applied to the coil of the relay and the contacts will operate.
The output is monitored so requires a 5.6k EOL.

Relay Diagram Option 2



A N/O is provided between +1 and +, this will close when the fire alarm is activated. The output is monitored and so requires a 5.6k EOL.

For further information visit our website.
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