

EN54 I/O Module (2X2) Jeweller

Wireless addressable module with two inputs and two outputs for a fire alarm system



Rules met. Conventions shattered.

EN54 I/O Module (2X2) Jeweller integrates third-party devices into an Ajax system in full compliance with EN 54 standards. With two outputs, the module can enhance emergency response by controlling gates, door locks, lighting, alert systems, and other life safety equipment. Two inputs allow the integration of existing detectors or devices outside the Ajax portfolio, such as beam smoke detectors, elevator control panels, or HVAC systems. Built-in communicators ensure a reliable, long-range connection to the CIE. The module and connected third-party devices can be configured in just minutes via an intuitive Ajax app.



Automated response at the first sign of danger

- Two galvanically isolated relay outputs, each supporting AC or DC
- Option to control connected devices via Ajax apps



Smart integration of third-party devices

- Two inputs supporting NC, NO, EOL, 2EOL, and 3EOL connection types
- Selectable event types for connected devices

EN54 I/O Module (2X2) Jeweller does not require an external power supply and cannot provide power to connected devices.



Built-in radio communication via Jeweller protocol



- Up to 1,700 m of wireless communication range with the CIE in open space
- Option to connect the device to an Ajax range extender (sold separately)
- Smart radio technology: automatic power adjustment, frequency hopping, and connection loss detection



Efficient autonomy for years to come

- Up to 5 years of battery life
- Early low battery notifications in Ajax apps
- Quick battery replacement



Hassle-free installation and maintenance

- Adding to the CIE by scanning the QR code – no tools or programming required
- Versatile cable routing: from the back, sides, top, or bottom
- Protective housing for the board to prevent damage during installation
- EOL resistors included in the complete set

<p>Compliance with standards</p> <p>EU CPR: EN 54-18, EN 54-25 Directive 2014/53/EU (RED) BOSEC</p> <p>Compatibility with the CIE and range extenders</p> <p>For detailed information, scan the QR code or follow the link:</p>  <p>ajax.systems/tools/devices-compatibility/?models=IOM.54.J</p>	<p>Communication with the CIE or range extender</p> <p>Jeweller communication technology</p> <p>Communication range up to 1,700 m In open space</p> <p>Frequency bands 866.0–866.5 MHz 868.0–868.6 MHz 868.7–869.2 MHz 905.0–926.5 MHz 915.85–926.5 MHz 921.0–922.0 MHz Depends on the sales region</p> <p>Maximum effective radiated power (ERP) up to 20 mW</p>	<p>Features</p> <p>Number of outputs 2 galvanically isolated relay outputs</p> <p>AC operating range 10–250 V~, up to 10 A</p> <p>DC operating range 10–30 V=, up to 5 A</p> <p>Number of inputs 2</p> <p>Connection types NO, NC, EOL, 2EOL, 3EOL</p> <p>Multiple event types for connected devices</p>	<p>Power supply</p> <p>Battery 2 × CR123A Pre-installed</p> <p>Battery life up to 5 years</p>
<p>Installation</p> <p>Operating temperature 0 °C to +50 °C</p> <p>Operating humidity up to 80%</p>	<p>Enclosure</p> <p>Color black, white</p> <p>Dimensions 116 × 180 × 62 mm</p> <p>Weight 547 g</p> <p>Protection class IP21C</p> <p>Flammability rating UL 94 V-0</p>	<p>Complete set</p> <p>EN54 I/O Module (2X2) Jeweller 2 × CR123A battery (pre-installed) Installation kit 2 × set of 4 EOL resistors Quick start guide</p>	



For detailed information, scan the QR code or follow the link:

ajax.systems/support/devices/en54-io-module-2x2-jeweller

-  support@ajax.systems
-  [@AjaxSystemsSupport_Bot](https://twitter.com/AjaxSystemsSupport_Bot)
-  [ajax.systems](https://www.ajax.systems)