# KE-IU3110

## Inteligentny adresowalny moduł 1 wejścia z izolatorem zwarć

### General

The innovative Excellence series of intelligent addressable devices offers advanced features for reliability and peace of mind. Coupled with features for ease of installation and maintenance on new fire detection systems, it's a perfect match for exceptional overall performance.

The Excellence series input/output devices are designed to provide much needed flexibility to input monitoring and output switching. These modules, combined with the powerful features of a Kidde Excellence series addressable CIE, give customers versatility for diverse applications.

The KE-IU3110 is a Kidde Excellence series addressable single input unit with integrated short circuit loop isolation. Powered directly from the Excellence loop, it offers an input with selectable line supervision.




### Applications

The KE-IU3110 is designed to monitor any potential free contacts. Any normally open or normally closed contact may be selected to be supervised or unsupervised. Normal, open, passive, active or short circuit states on the input are reported back to the CIE where, depending on the programming, separate actions may be taken for any of these states.

The KE-IU3110 may be located anywhere on the Kidde Excellence loop where it occupies only 1 of 128 available addresses. Housed in a low profile molding, the interface is designed to clip directly onto a standard DIN rail fixing or be installed in a suitable wall mount housing. It is intended for installation inside the equipment to be switched, thereby offering savings in installation costs compared with long, auxiliary circuit wiring runs from the control panel.

### Installation & Maintenance Features

The KE-IU3110 is connected to the CIE via a 2-wire communication loop that carries both power and control data. Tri-Colour LED indicators positioned on the front face of the unit provide the engineer with clear identification of the operational state of the unit, as well as the status of any input and/or output control. Additional manual test facilities on the unit allows local testing without the need for control panel intervention, saving time during installation and commissioning.

Excellence series devices use an advanced digital data communications protocol with extensive error correction algorithms to ensure system reliability.

### Szczegóły

- Zasilany z pętli, bez dodatkowych kosztów zasilaczy i instalacji
- Zapewnia adresowalne wejście do nadzoru urządzeń
- W pełni nadzorowane, dwupoziomowe wejście dla alarmu wstępnego i alarmu przy użyciu jednego wejścia
- Montaż DIN lub naścienny zapewniający elastyczność instalacji
- Funkcja testowania lokalnego ułatwiająca weryfikację działania
- Lokalny, czytelny wskaźnik stanu pracy ułatwiający konserwację

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## Specyfikacja techniczna

### General

| | |
|---|---|
| Status indication | Trójkolorowa dioda LED |
| Compatibility | Systemy Kidde Commercial Excellence |
| Addressing method | Dip-Schalter |
| Address range | 1 do 128 |

### Electrical

| | |
|---|---|
| Power supply type | Loop-Stromversorgung |
| Operating voltage | 17 do 29 VDC |
| Current consumption | 250 µA @ 24 VDC (spoczynek)<br>2,5 mA @ 24 VDC (aktywacja) |
| Communication voltage | 4 do 11 V (pulsujące) |

### Input

| | |
|---|---|
| Input quantity | 1 |
| Input type and rating | Dwupoziomowe, Nadzorowane |
| Input states | Activ, Fault, Normal, Öffnen, Kurz |
| Pre-alarm resistor | 3 kΩ do 7 kΩ |
| Alarm resistor | 0,3 kΩ do 3 kΩ |
| Termination resistor | 15 kΩ, ¼ W, 1% |
| Cable specification | 0.5 to 4.9 mm² (10 to 20 AWG) |
| Cable length | <10 m |

### Isolation

| | |
|---|---|
| Type | Negativer Zeilenumbruch |
| Loop current | 2,5 mA (aktywne) |
| Series resistance | <0,08 Ω |
| Switch current | 1,05 A (ciagły) / 1.4 A (krótki) |
| Leakage current | <1 mA |
| Isolation voltage | 14 do 15,5 VDC |
| Reconnect voltage | 14 do 15,5 VDC |
| Impedance requirements | ≤32 devices between isolators |
| Quantity per loop | 128 |

### Physical

| | |
|---|---|
| Physical dimensions | 87 x 80  x 26 mm (S x W x G) |
| Net weight | 60 g |
| Colour | Signalweiß (RAL 9003) |
| Mounting type | DIN-Hutschiene, Oberflächenmontage, Wandmontage |
| Material | PC / ABS |
| Cable specification | Loop: 0.13 to 3.31 mm² (12 to 26 AWG) shielded/unshielded twisted-pair < 52 Ω , < 500 nF |

### Environmental

| | |
|---|---|
| Vandal proof | No |
| Operating temperature | -22 do +55°C |
| Storage temperature | -30 do +65°C |
| Relative humidity | 10 do 93% bez kondensacji |
| Environment | Drinnen |
| IP rating | IP30 |

### Regulatory

| | |
|---|---|
| Compliancy | CE, REACH, RoHS 3, WEEE |
| Certification | CPR |
| Standards | EN54-17, EN54-18 |

### Wyroby zgodne

| Kategoria | Odniesienie | Opis |
|---|---|---|
| Enclosures | N-IO-MBX-1 | DIN Rail Module Box |
| Enclosures | N-IO-MBX-2 | DIN Rail Module Box |
| Interface unit | KE-IU3110-HS | Excellence series intelligent addressable priority input unit with isolator |
| Interface unit | N-IO-SBX-1G | Single module box with DIN rail (small) |
| Interface unit | N-IO-SBX-2G | Single module box with DIN rail (large) |

KIDDE COMMERCIAL

Będąc firmą innowacyjną, Kidde Global Solutions zastrzega sobie prawo do zmian w specyfikacji wyrobów bez uprzedzenia. W celu uzyskania najnowszych specyfikacji prosimy o wizytę na stronach pl/firesecurityproducts.com lub kontakt z przedstawicielem handlowym.

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