

IKI-Overhead

Overhead-Line Fault Indicator

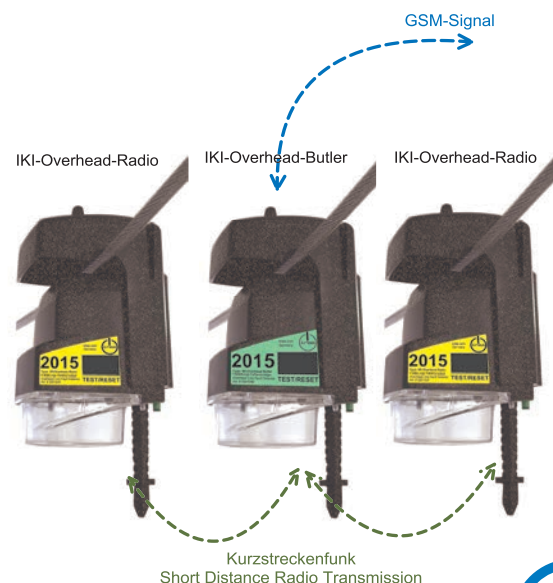
Complete Solution for Local and Remote Indicating Types



- **Overhead-Line Fault Indicator**
Short-circuit and earth-fault detection in overhead line networks
- **Ultra-bright LED indication**
360° visibility; wide viewing angle. Even visible in extreme sunlight
- **Easy installation and self-test by operation rod**
integrated indication for correct installation; no special tools required
- **Reliable fault detection**
Microcontroller-based independent overcurrent-time characteristic; short-circuit and earth-fault detecting; suitable for high-impedance earth-faults
- **Optional: remote alarm by radio transmission and GSM**
by IKI-Overhead Radio (yellow marked) and IKI-Overhead Butler (green marked)
- **User adjustable parameters by DIP-switches**
Pick-up current (automatic or fixed 200-600 A). Reset (1-8 h, manually or auto after return of minimum load current or manually)
- **Long life cycle**
Due to included high-quality lithium battery and nanowatt technology. Additional supply from load-current.
- **Applicable in closed loop or radial networks with Renewables**
Display of first and second alarm event without any change of settings. Requirement: automatic recloser

Principle of communication between up to 8 IKI-Overhead Radio with one IKI-Overhead Butler

IKI-Overhead Butler communicates by GSM with PONLINE-Master or any SMS-client. PONLINE-Master can be linked to any existing Scada-System



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Technical data

<p>Power supply:</p> <p>Pick-up current I>>:</p> <p>Pick-up time t<>>:</p> <p>Reset:</p> <p>Visibility:</p> <p>Dimensions:</p> <p>Installation:</p> <p>Self-test:</p> <p>Protection class:</p> <p>Rated nominal voltages:</p> <p>Rated power frequency:</p> <p>Operating temperature:</p> <p>Storage temperature:</p> <p>Conductor rope cross:</p> <p>Housing:</p> <p>Standard-Type:</p> <p>IKI-Overhead R2</p> <p>Art-No. 2501302</p>	<p>lithium battery (life time approx. 15 years); parallel power supply from overhead-line during load currents above 5A</p> <p>For IKI-Overhead Radio and IKI-Overhead Butler battery life-time min. 10 years;</p> <p>parallel power supply from overhead-line during load currents above 5A</p> <p>automatic, 200, 400, 600 A</p> <p>60ms, 200 ms</p> <p>1 h, 2 h, 4 h, 6h, 8 h, manually, automatically after return of minimum primary current 3 A for at least 10 s</p> <p>approx. 50-100 m at bright sunlight; approx. 500 m at night</p> <p>h = 210 mm; Ø = 130 mm</p> <p>by operating rod (bajonett or ring)</p> <p>by operating rod and magnet</p> <p>IP68</p> <p>1kV to 36kV</p> <p>50-50 Hz</p> <p>-30°C to +75°C</p> <p>-30°C to +80°C</p> <p>20 mm² to 490 mm², corresponding sectional area: to a diameter of 5mm to 35mm</p> <p>plastics, UV stable CT-Type</p> <p>Standard device with local LED indication</p>	
<p>IKI-Overhead Radio</p> <p>Art-No. 2501304</p>	<p>Device with short-distance radio connection up to 50m.</p> <p>Failure information will be forwarded from IKI-Overhead Radio to IKI-Overhead Butler</p>	
<p>IKI-Overhead Butler</p> <p>Art-No. 2501306</p>	<p>Device with short-distance radio connection for communication with up to 8 pcs IKI-Overhead Radio.</p> <p>With additional GSM-Modem to forward information to PONLINE-Master or any SMS-client; GSM-SIM-card not included.</p>	
<p>Mounting:</p> <p>Art-No. 25xyyzz</p> <p>Art-No. 25xyyzz_H001</p>	<p>Standard_type: by means of operation rod with bajonett</p> <p>Clamp-Stick_type: by means of operation rod with clamp (shot gun)</p>	

Principle of overhead-line failure detection with local and remote indicating devices.

Failures are indicated up to the failure location

