



## ⚠ VECTOR INDOOR KIT INSTRUCTIONS

- ◆ Proving de-energised of nominal AC voltage on 3 phase system by direct contact to the conductor prior to applying Working Earths.
- ◆ **Only use on Indoor equipment with the capacitive probe fitted.**

### Type: Vector Direct Contact Capacitive AC Voltage Detector

**3 phase system voltage limits:** 1kV to 66 kV (refer to the label for the operating range)

**AC system frequency:** 50 & 60 Hz (refer to the label)

**Group:** III (indication of voltage presence and permanent stand-by)

**Field of use:** CAT L, **outdoor** all weather use **and indoor with Capacitive Probe Fitted.**

**Climatic Category:** N (-25°C à +55°C)

**Indication:** 360 degree Visual LEDs + Audible

**Operating stick connection:** Universal (sunrise) fitting

**Housing:** Yellow polycarbonate case

**Battery:** 9 Volt alkaline IEC 6LR61

**Dimensions:** Diameter = 56 mm, L = 320mm. Weight: 0.385 kg

### Test Procedure: Functioning check & Self-Test

This check **MUST** be conducted **BEFORE AND AFTER** any detection operation

1. Press the test button with finger (**do not use a tool**)
2. After releasing the button, the beeper will sound, the RED, ORANGE & GREEN LEDS will light sequentially for 2 cycles, the RED LEDS will light, the beeper will sound, lastly, the Green LEDS will light & indicate an Ok Test. (The Green LEDS will switch off after approximately 90 seconds)
3. If after the Test Sequence finishes there is no OK LED but:
  - ◆ Two Orange LEDS, **Replace the Battery.**
  - ◆ Three Orange LEDS: **Return to Supplier.**



### Capacitive Probe:

Each kit contains a capacitive probe and contact adaptors for use on 11/22/33kV indoor switchgear (as shown below).

**This Capacitive Probe MUST ALWAYS** be used for indoor switchgear to ensure correct operation.



Hazemeyer,  
38mm Disc &  
Bullet Contacts

### Warning:

Before fitting the Capacitive Probe, **ensure** the black smart cap on the detector is **firm**. **Do not over tighten the cap.**

**YOUR SAFETY DEPENDS ON YOU UNDERSTANDING THE OPERATION OF THIS DEVICE.**  
**Mandatory PPE shall be worn when using this device.**

### Voltage Detector Operation:

- Attach the Stick, Capacitive Probe and the appropriate contact adaptors to the device.
- Bring the detector electrode into contact with the conductor to be checked.
- Live Conductors will be indicated by 4 RED LEDS and beeper operation.



### Limited Space Operating Stick

The operating stick provides the required insulation & length in accordance with the voltage level to be checked, IEC 61243-1, and the regulations in force. **This operating stick is for use only with Substation Indoor Switchgear, RMU's with limited physical access!**



## Battery Replacement:

Batteries should be replaced when the device is presented for periodic testing. Hylec recommends Duracell as they have a better operating temperature range. Replacement Battery: 9v 6LF22

## KEY ACTIONS: **READ THE INSTRUCTIONS!**

- Use the Test Button Both Before and After Detection
- Use Silicon Cloth to Clean before and after use.
- Always use the Capacitive Probe.
- **NEVER USE HOOK CONTACTS INDOORS!**

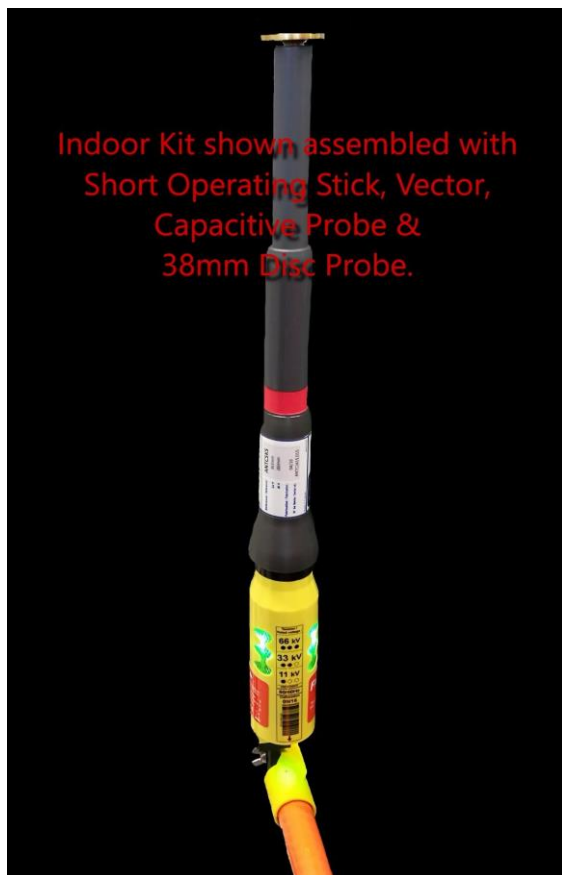
## Contents of the Proving Dead Kit include:

- FAMECA VECTOR, 50Hz, 11-33 kV Device • Confined Area Operating Stick.
- Capacitive Probe (ANT for 11-33kV)
- Bullet, 60mm Disk, 38mm Disk & Hazemeyer Contacts.
- Silicone Cloth, Aluminum Carry Case and User Manuals.

**AVOID** Using the Detector in these Positions to Prevent Interference of Readings



**OBSERVE** these Guidelines when using the Detector in these Positions



For further information or service, please contact:  
Hylec NZ Ltd.  
Phone: +64 27 339 6222.  
Email: [ian@hylecnz.co.nz](mailto:ian@hylecnz.co.nz)