

# HV CAPACITIVE DETECTOR

## - HIGH VOLTAGE CONTACT DETECTOR

This family of Capacitive High Voltage Detectors have been designed to meet the latest IEC standards. The HVDs are self starting and automatically activated when the high voltage is applied to the contact electrode. They can also be manually armed before use by depressing the "TEST/ARMING" button.

These detectors are intended for use on sinusoidal (50 or 60Hz) high voltage systems.

Models are available to cover systems voltage from 11kV to 132kV.

Utilized to determine if a system is live or not, so that it maybe safely earthed/grounded.

All models are designed for outdoor, but can be utilized indoor and in all wheather condition.

This family of capacitive High Voltage Detectors are housed in a rugged, reinforced nylon moulded casing and are shock drop and vibration resistant.

Non-standard threshold voltages can be customized to suit applications requirements.

The HVDs have a low battery detection which inhibit manual arming when the battery is too low.

The Nylon case is easy to clean and maintain and the HVDs are supplied with the cleaning kit.

A visual indication shows when the HVD is armed.

When armed the green LED flashes twice per second.

When High Voltage is detected, the red LED flashes twice per second and the buzzer also buzzes intermittently.

A range of accessories is available.

**Dimensions** : 300(L) x 100(W) x 100(D)mm

**Weight** : Approx. 550g (battery included)

**Meets** : IEC / EN 61243-1 (user defined parameters as with 225 HVD may not comply with IEC/EN 61243-1)



### FEATURES

- Excellent shock resistance.
- Rugged nylon moulding.
- Auto on (when voltage detected). Excellent drop resistance.
- Good vibration resistance.
- Loud sound alarm indication.
- Built-in proving and self-test circuit.
- High bright color-coded LEDs.
- Works from standard 9V battery.
- Interchangeable contact electrode.
- Use in all wheather conditions.
- Compatible with all link sticks.
- Lightweight, robust & compact.
- Models available from 11kV to 132kV.
- Suitable for indoor and outdoor use.
- Self(auto on) or manual arming.
- Easy access to batteries.
- Customized threshold on demand.
- Auto off (if no voltage detected).
- Waterproof design, protection class : IP65.

Model	213 HVD	214 HVD	215 HVD	216 HVD	217 HVD	218 HVD
Nominal Voltage	11kV	33kV	66kV	132kV	11/33kV	44/132kV
Threshold range	1.65kV to 4.4kV	4.95kV to 13.2kV	11kV to 13kV	13.2kV to 59.4kV	3.3kV to 4.95kV	13.2kV to 19.8kV
Threshold	3.02kV	9.07kV	12.0kV	13.2kV	4.12kV	13.2kV

Model	219 HVD	222 HVD	223 HVD	224 HVD	225 HVD*	226 HVD
Nominal Voltage	66/132kV	11/44kV	33/132kV	44kV	User Defined	12/36kV
Threshold range	13.2kV to 29.7kV	4.4kV to 4.95kV	13.2kV to 14.85kV	6.6kV to 17.6kV	User Defined	3.6kV to 5.4kV
Threshold	13.2kV	4.75kV	13.2kV	12kV	User Defined	5.4kV

- NOTES:** - The internal proofing circuit does not test the contact electrode and the protection devices.  
 - If the options listed don't meet your requirements please contact us.  
 - \* User defined parameters may not comply with IEC/EN 61243-1

### FEATURES COMMON TO ALL MODELS

FeatureS	
Response Time	< 1 sec
Auto Off	3 mins
Bridging Protection	Yes
Spark Protection	Yes
Low Battery Indicator	< 7 V
Battery Current	< 30 mA
Green LED	Shows Unit Is Armed
Red LED	Shows Unit Has Detected High Voltage
Test / Arming Button	Yes