

Capacitive High Voltage Detectors (Contact)



CE

213 HVD

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 weather 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.

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 weather 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 Leds flashes about twice per second.

When H.V. is detected, the Red led flashes about twice per second and the buzzer also buzz intermittently.

A range of accessories is available.

- Dimensions : 300(L) x 100(W) x 100(D)mm
- Weight : Approx. 550g (battery included)
- Meets EN 61243-1



MODELS AND COMPARISON TABLE

PART#	212HVD	213HVD	214HVD	215HVD	216HVD	217HVD	218HVD	219HVD	220HVD	221HVD	222HVD	223HVD	224HVD	225HVD	226HVD
System Voltage	4/15kV	11kV	33kV	66kV	132kV	11/33kV	44/132kV	66/132kV	6.6/132kV	11/132kV	11/44kV	33/132kV	44kV	kV USER DEFINED	12/36kV
Threshold Set within Range	1.9kV To 2.1kV	1.65kV To 4.4kV	4.95kV To 13.2kV	11kV To 13kV	11kV To 13kV	3.3kV To 4.95kV	11kV To 13kV	11kV To 13kV	2kV To 3kV	4.4kV To 6.6kV	4.4kV To 5kV	11kV To 13kV	6.6kV To 17.6kV	Xx kV	5.0kV To 6.0kV
Response Time	<1 Sec	<1 Sec	<1 Sec	<1 Sec	<1 Sec	<1 Sec	<1 Sec	<1 Sec	<1 Sec	<1 Sec	<1 Sec	<1 Sec	<1 Sec	<1 Sec	<1 Sec
Auto-OFF	3Min	3Min	3Min	3Min	3Min	3Min	3Min	3Min	3Min	3Min	3Min	3Min	3Min	3Min	3Min
Bridging Protection	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Spark Protection	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Battery Low	<7V	<7V	<7V	<7V	<7V	<7V	<7V	<7V	<7V	<7V	<7V	<7V	<7V	<7V	<7V
Threshold	2.0kV	3.02kV	9.07kV	12kV	12kV	4.12kV	12kV	12kV	2.5kV	5kV	4.75kV	12kV	12kV	User's Spec.	5.4kV
Battery Current	<30mA	<30mA	<30mA	<30mA	<30mA	<30mA	<30mA	<30mA	<30mA	<30mA	<30mA	<30mA	<30mA	<30mA	<30mA
Green = Armed	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Red = V Detected	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Test / Arming Button	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

Please note the internal proofing circuit does not test the contact electrode and the protection devices.