



# CAPACITIVE HIGH VOLTAGE DETECTOR (CONTACT)

## Model 213HVD

Capacitive High Voltage Detector Model 213HVD have been designed to meet the latest IEC Standards. It is self starting and automatically activated when the High Voltage is applied to the contact electrode. It can also be manually armed before use by depressing the "TEST/ ARMING" Button. This detector is intended for use on sinusoidal (50 or 60Hz) High Voltage Systems. Capacitive High Voltage Detector Model 213HVD systems voltage is 11kV.

It is utilized to determine if a system is live or not, so that it may be safely earthed / grounded. Model 213HVD is designed for outdoor, but can be utilized indoor and in all wheather condition. It is 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 High Voltage Detector 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 High Voltage Detector is supplied with the cleaning kit. A visual indication shows when the High Voltage Detector is armed. When armed, the Green Leds flashes about twice per second.

When High Voltage is detected, the RED Leds flashes about twice per second and the buzzer also buzz intermittently.

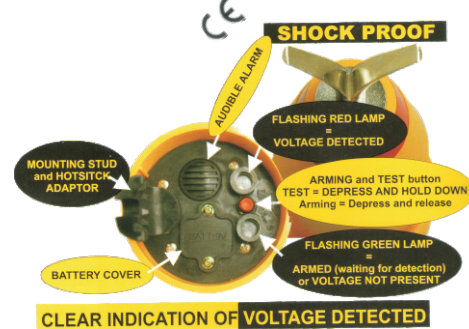
### SPECIAL FEATURES :

- Excellent Shock Resistance.
- Rugged Nylon moulding
- Auto - ON (when Voltage Detected).
- Excellent Drop Resistance.
- Good Vibration Resistance.
- Built - in Proving and self - test circuit
- Compatible with all link sticks.
- High Bright Color Coded LEDS.
- Works from normal 9V battery.
- Interchangeable Contact Electrode.
- Use in All Whether Conditions.
- Compatible with all link sticks.
- Lightweight, Robust & Compact.
- 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).

### GENERAL SPECIFICATIONS :

- \* System Voltage : 11 kV
- \* Threshold set within Range : 1.65 kV to 4.4kV
- \* Response Time : <1 Sec
- \* Auto - OFF <sup>1</sup> : 3 Min
- \* Bridging Protection <sup>2</sup> : Yes
- \* Spark Protection <sup>3</sup> : Yes
- \* Battery Low <sup>4</sup> : <7V
- \* Threshold <sup>5</sup> : 3.02 kV
- \* Battery current <sup>6</sup> : <30mA
- \* Green = Armed <sup>7</sup> : Yes
- \* Red = V Detected <sup>8</sup> : Yes
- \* Test / Arming Button <sup>9</sup> : 11 kV
- \* Dimensions : 300(L) x 100(W) x 100(D) mm
- \* Weight : Approx. 550g ( battery included )

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



### Preliminary Data

### SAFETY :

- Meets IEC 61243-1  
IEC 60068-2-2 ; IEC 60068-2-6;  
IEC 60068-2-32 ; IEC 60529

### ACCESSORIES :

Battery Instruction manual & Carrying Case.

### NOTE :

Other rating available :  
33KV, 66KV, 132KV, 11/33KV, 44/132KV,  
66/132KV, 6.6/132KV, 11/132KV, 11/44KV,  
33/132KV, 44KV.

Authorized Distributor

All Specifications are subject to change without prior notice



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