



**IEC-61243-1**  
Edition 2  
October 2003



## DESCRIPTION

IEC electronic voltage detector "Ultra compact series" for indoor and outdoor use with two voltage ranges  
Ultimate "head capacitive technology" of voltage detector.  
Universal application 50 / 60 Hz and wide range of voltage.  
Maximum voltage range :  $Un_{max} / Un_{min} = 3.6$

## OPERATING CONDITIONS

### Voltage presence is indicated by :

- Red flashing LED for the smallest range (very bright, visible at more than 20 m in direct lighting)
- Red permanent LED for the higher range
- Powerful rated audible signal > 67 dB (A) / 1.5 m: discontinuous for the lower range and continuous for higher range

### Operating check :

- By pressing the test button, correct operation is indicated by red LED flashing on and a sound signal.
- After releasing the Test button, a timed green LED lights on.  
It indicates the good working condition of the detector.

## CHARACTERISTICS

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| <ul style="list-style-type: none"><li>• Nominal range: see below .</li><li>• Dielectrically tested on substation bars.</li><li>• Precise and stable operating threshold.</li><li>• Reduced sensitivity to induced voltages and to interference field.</li><li>• High environmental resistance (impacts, vibrations, moisture).</li><li>• Robust thermoplastic housing.</li></ul> | <ul style="list-style-type: none"><li>• Temperature conditions: class N (-25 to 55°C)</li><li>• Power supply: 1 standard 9 V battery 6LR61</li><li>• Network frequencies : 50 and 60 Hz</li><li>• Dimensions of the detector: Ø 59 x 270 mm.</li><li>• Weight of the detector: 0,35 kg.</li><li>• Contact electrodes fitted to the body by screwing and easily interchangeable.</li><li>• Packaging: supplied in a caring bag</li><li>• In compliance with the standard CEI 61243-1 Ed 2 (2003).</li></ul> |
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**End fitting :**

End fitting "C": hexagonal male 12 mm on flats, for hexagonal end fitting sticks.  
(CC-775-uu/vv:xx/yy-C)



End fitting "K": for Universal end fitting sticks  
(CC-775-uu/vv:xx/yy-K)

**Technical details :**

**Main references**

References	1 <sup>st</sup> voltage range		2 <sup>nd</sup> voltage range	
	Un <sub>min</sub> (uu)	Un <sub>Max</sub> (vv)	Un <sub>min</sub> (xx)	Un <sub>Max</sub> (yy)
CC-775-2/6:10/20-(*)	2 kV	6 kV	10 kV	20 kV
CC-775-33/11:22/66-(*)	3.3 kV	11 kV	22 kV	66 kV
CC-775-12/24:52/132-K	12 kV	24 kV	52 kV	132 kV

(\*) End fitting : C or K

**Other voltage range are available : contact us for more information**