



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

(*) End fitting : C or K

Other voltage range are available : contact us for more information