



Voltage detectors - DTCIER/P type - for MV power installations



Code: DTCIER 6-20 kV / DTCIER/P 6-35 kV

The **DTCIER 6-20 kV voltage detectors** are designed for the inspection of the presence/absence of voltage by direct contact with elements of indoor and outdoor **medium voltage power installations**, in **dry weather conditions**.

The **DTCIER/P 6-35 kV voltage detectors** are designed for the inspection of the presence/absence of voltage by direct contact with elements of indoor and outdoor **medium voltage power installations**, in **dry or wet weather conditions**.

Voltage detectors – **DTCIER** type – have housings made of red transparent polycarbonate, a material with excellent mechanical and dielectric properties.

On the lower part, the detector is completed with an “**hexagon 12**” rod, allowing its connection with an appropriate telescopic insulating sticks provided with hexagonal coupling system.

Voltage detectors – **DTCIER/P** type – are in a permanent “**stand-by**” state.

The **control panel** contains:

- **test button** for checking the electronic circuits;
- **acoustic signalling buzzer**;
- **four bright red LEDs**;
- **one high luminosity green LED**.

Prior and after each use, voltage detectors **DTCIER/P** type must be functionally tested by pressing the test button, as this check includes the test of the electronic circuits and the appropriate charging level of the battery.

The “**ready for operation**” period of detector is signaled by the **green LED**, for two minutes.

After performing the operational test, the detector attached to an appropriate insulating stick is brought closer to the conductor until the detector’s electrode gets in contact with checked conductor.

If the conductive element is **live**, the detector will indicate this by **bright red flashing signals** and high intensity **acoustic intermittent signals** (more than 90 dB (A)), both perceptible in unfavorable environmental conditions: noisy area and strong light.

For store and transport, the voltage detector DTCIER/P type is packed in plastic box.



DETAIL  
OPTICAL SIGNALLING



Detector type	DTCIER 6-20 kV	DTCIER/P 6-35 kV
Rated operating voltage (kV)	6 ÷ 20	6 ÷ 35
Operating temperature range (°C)	-25 ...+55	-25 ...+55
Supply	9 V alkaline battery type 6LR61	9 V alkaline battery type 6LR61
Overall size - without contact electrode (mm)	Ø 78 x 150	Ø 78 x 150
Overall size - with contact electrode (mm)	Ø 78 x 225	Ø 78 x 225
Detector weight with battery (kg)	0,370	0,370