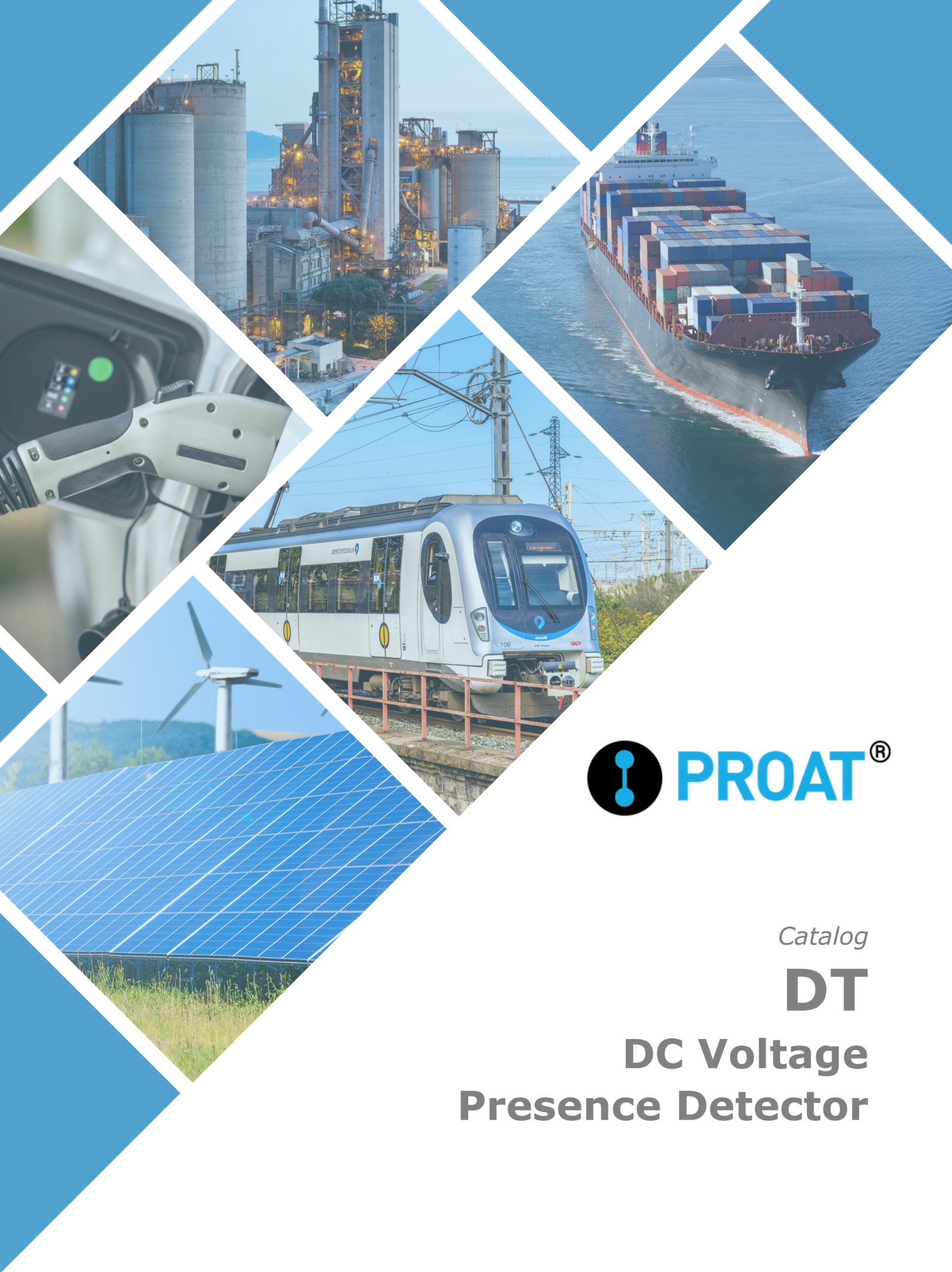




Catalog

DT

**DC Voltage
Presence Detector**

 DT

DC Voltage Presence Detector up to 1500 VDC

- ✓ **Detects and indicates** the presence of voltage up to **1500 VDC**
- ✓ Indication by means of **a flashing red LED** or **a red LED + volt-free contact**, depending on the model
- ✓ **The flashing frequency is proportional to the voltage**, allowing a quick assessment of the voltage level
- ✓ **The lower the flashing frequency, the lower the installation voltage**
- ✓ **Self-powered device**
- ✓ **Plastic enclosure** for panel or door mounting
- ✓ **Suitable for fixed and mobile installations**



Applications

Dangerous DC voltage presence indication in direct current (DC) installations:

- Photovoltaic installations
- Power plants
- Rectifier systems
- Lighting installations
- AC/DC auxiliary power systems



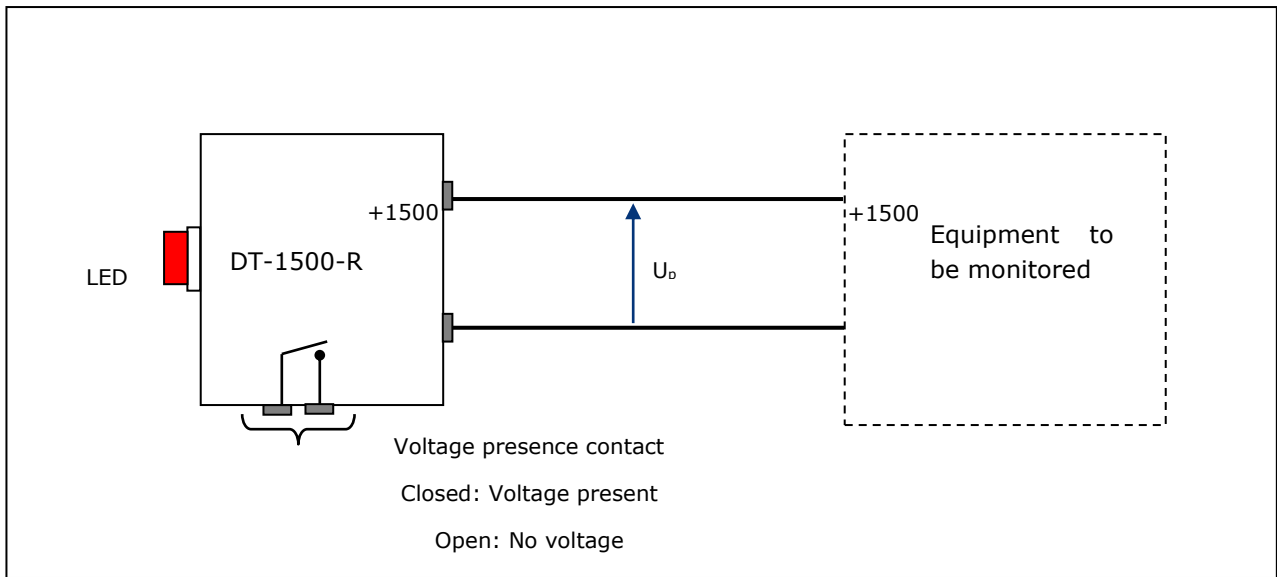
Functional Features

- **Voltage presence indication by means of:**
 - Flashing red LED (DT-1500 model)
 - Red LED + volt-free contact (DT-1500-R model)
- **Flashing frequency proportional to the voltage:**
 - Higher flashing frequency → Higher voltage
 - Lower flashing frequency → Lower voltage
 - Self-powered circuit supplied directly from the line voltage:
 - No auxiliary power supply required
 - Power consumption < 3 mA
- **Output contact (DT-1500-R model):**
 - Normally open (NO) contact in the de-energized state
 - Relay activation at **700 V_{DC} ±15%**
 - Relay deactivation at **450 V_{DC} ±15%**
- **Easy installation:**
 - Panel or door mounting
 - Screw terminal connection
 - Suitable for fixed and mobile installations
- **Electronic circuit protection:**
 - Epoxy resin encapsulation
 - High electrical insulation

Models

Model	Voltage	LED	Output Contact
DT-1000	1000 V _{DC}	Yes	No
DT-1000-R	1000 V _{DC}	Yes	Yes
DT-1500	1500 V _{DC}	Yes	No
DT-1500-R	1500 V _{DC}	Yes	Yes

Wiring



Mechanical Features

- LED on front panel
- V0 self-extinguishing plastic enclosure
- Black color

