



*Prevention of lightning-related risks :*



## **DT** foudre **LIGHTNING DETECTOR**

### USE

- Advance warning of lightning risk
- Disconnection of equipments from mains and telecommunication networks

### APPLICATIONS

- Installations vulnerable to electrical surges (computer, telecommunication, electronic, ...)
- Installations exposed to lightning (petroleum warehouses, airports, chemistry, golf, ...)

**surtélec**

AUTOMATISM AND REMOTE ACCESS  
OF UNATTENDED ELECTRICAL INSTALLATION

## TECHNICAL FEATURES

	ANTENNA	CONTROL UNIT
Dimensions	140 X 140 X 140 mm	105 x 90 x 58 mm
Weight	450 g	200 g
Installation	on a pole (outdoors)	mounts on DIN bracket (indoor) not included
Operating temperature range	- 30° to + 60° C	0° to + 50° C
Waterproof protection index	IP 65	IP 21
Power supply	5,5 to 7 VDC / 12 to 48 VDC / 12 to 24 VAC	
Standby mode consumption	0,6 mA	
Display alarm	20-level bargraph	
Audible alarm	Buzzer	
Alarm report output	2 relays NO + NC 5A - 250 VAC or 30 VDC (pre-alarm and alarm)	
Compliance to norms	NF C 15-100, C 13-100 et C13-200	
10 m Cable included	maximum 50 m	
Wiring	Terminal strips for 2,5 mm <sup>2</sup> cable	

### ■ Components

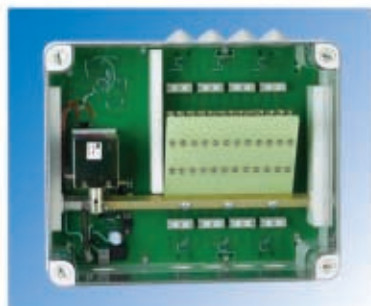
- The system consists of a reception antenna (green pyramid) and a control unit connected by a shielded cable.

### ■ Operating features of DT *foudre*

- The reception antenna is installed on a pole.
- It measures the level of electromagnetic disturbance generated by lightning within a radius of 5 to 10 kms.
- The control unit indicates the disturbance level on a bargraph.
- It allows the setting of two alarm thresholds.
- When the level of disturbance exceeds a threshold, the alarm is transmitted by a relay, a flashing display and a buzzer sound.

### ■ ISOLMAX : wide gap insulation switch

- Activated by the DT*foudre*, the ISOLMAX avoids the lightning-arch phenomenon that occurs between the contacts of a standard power relay during high voltage surges (> 4000 V) and therefore provides efficient protection.



Circuit contact opening	60 mm
Electrical surge protection	40 000 V
Number of poles	12
max switching current per pole	5A under 230 VAC (usable in parallel)
Power supply	24 VDC or 24 VAC (50Hz)
Consumption	2A inrush - 0,5A nominal
Dimensions	270 x 220 x 126 mm
Weight	2,5 kg