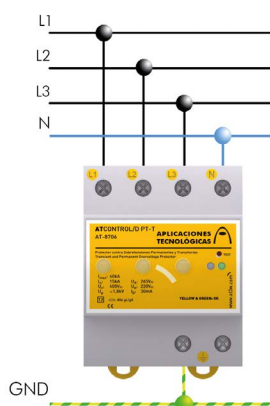




> ATCONTROL/D series

> ATCONTROL/D T

Self-configurable three-phase permanent and transient overvoltage protector, actuating on a 30 mA residual current breaker



> PERMANENT OVERVOLTAGES

ATCONTROL/D series protectors actuate whenever they detect a permanent overvoltage, generating a pulse to earth that trips the associated residual current device, thereby protecting the equipment installed downstream.

The warning system for permanent overvoltages consists of two luminous indicators: green (correct power supply) and red (overvoltage). It has a test button to check that installation has been executed correctly.

They have a thermodynamic device that disconnects from the electrical network in case of deterioration, as well as a warning system for transient overvoltages. When the warning is yellow, the protector is in good condition. If not, replace.

> INSTALLATION

They must be installed in parallel with the low voltage supply line, downstream from the residual current device, and connected to lines, neutral and ground. Installation should be carried out without power running through the line.

> TRANSIENT OVERVOLTAGES

ATCONTROL/D PT-T protectors also actuate when they detect a transient overvoltage driving the current to earth and reducing the voltage to a level that does not damage the connected equipment.

These protectors are self-configurable. They automatically detect the voltage and programme the permanent overvoltage limits they are to use.

Tested and certified as **type 2 protectors** in **official** and **independent laboratories** according to regulations UNE-EN 61643-11 and GUÍA-BT-23 from the REBT. Suitable for **categories I, II, III and IV** equipment according to ITC-BT-23 from the REBT.

> TECHNICAL DATASHEET

		ATCONTROL/D P-T AT-8705	ATCONTROL/D PT-T AT-8706
Reference:			
Nominal voltage:	U_n	120 or 230 V _{AC}	
Maximum overvoltage:	U_c	400 V _{AC}	
Actuation voltage:	U_a	150 or 275 V _{AC}	
Actuation time:		@150 V _{AC} → 3 - 5 s / @230 V _{AC} → 0.1 - 0.2 s @275 V _{AC} → 3 - 5 s / @400 V _{AC} → 0.1 - 0.2 s	
Differential sensitivity:		30 mA	
Type of tests according to UNE-EN 61643-11:		-	Type 2
Nominal discharge current (8/20 μs wave):	I_n	-	15 kA
Maximum discharge current (8/20 μs wave):	I_{max}	-	40 kA
Protection level (wave 1.2/50 μs):	U_p	-	1.4 kV
Backup fuse ⁽¹⁾ :		-	80 A gL/gG
Dimensions:		72 x 90 x 80 mm (4 modules DIN 43880)	
Cable range:		Minimum / Maximum section: 2.5 / 35 mm ²	

Tests certified according to standards: UNE-EN 61643-11

Relevant standards: UNE 21186, NF C 17-102, IEC 62305

(1) Required when there is no equal or less nominal current protection installed upstream from the protector.