



> ATCONTROL/B PLUS series

> ATCONTROL/B P(T)-T PLUS

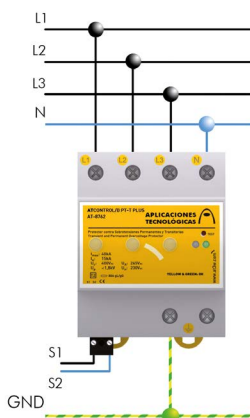
Self-configurable three-phase permanent and transient overvoltage and undervoltage protector



> PERMANENT OVERVOLTAGES

The **ATCONTROL/B** series protectors trip the connected shunt release (S1, S2) when they detect a permanent overvoltage or undervoltage. The shunt release causes the circuit breaker to trip, protecting the equipment installed downstream.

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



> TRANSIENT OVERVOLTAGES

The **ATCONTROL/B** 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.

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

It has a thermodynamic control device that disconnects from the electrical network in case of deterioration, and also a warning system for transient overvoltages. When the warning is yellow, the protector is in good condition. If not, replace.

> INSTALLATION

Installation should be carried out without power in the line. They must be installed in parallel with the low voltage supply line, downstream from the associated circuit breaker, and connected to lines, neutral and ground. Connect the S1 and S2 terminals, always without voltage, to the shunt release acting on the circuit breaker.

This protector is self-configurable. It automatically detects the voltage and programmes the permanent overvoltage limits.

> TECHNICAL DATASHEET

		ATCONTROL/B P-T PLUS AT-8761	ATCONTROL/B PT-T PLUS AT-8762
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 @100 V _{AC} → 3 - 5 s / @80 V _{AC} → 0.1 - 0.2 s @275 V _{AC} → 3 - 5 s / @400 V _{AC} → 0.1 - 0.2 s @200 V _{AC} → 3 - 5 s / @80 V _{AC} → 0.1 - 0.2 s	
Nominal voltage for the shunt release:		110 - 415 V _{AC} / 110 - 250 V _{DC}	
Type of tests according to UNE- EN 61643-11:		-	Type 2
Nominal 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)	
S1, S2 cable range:		Maximum section: 1.5 mm ²	
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.