



## > ATCONTROL/B Series

### > ATCONTROL/B P(T)-T

Self-configurable three-phase permanent and transient overvoltage protector



#### > PERMANENT OVERVOLTAGES

**ATCONTROL/B PT-T** series protectors trip the connected shunt release (S1, S2) when they detect a permanent overvoltage. The shunt release causes the circuit breaker to trip, 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.

#### > TRANSIENT OVERVOLTAGES

The **ATCONTROL/B PT-T** protector also actuates when it detects a transient overvoltage, driving the current to earth and reducing the voltage to a level that does not damage the connected equipment.

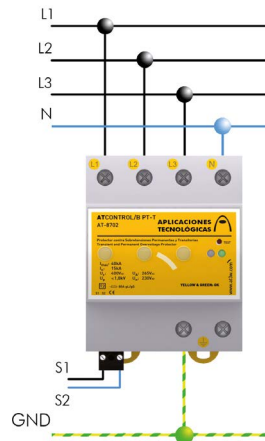
Tested and certified as a **type 2** protector in **official and independent laboratories** according to standards UNE-EN 61643-11 and GUÍA-BT-23 from the REBT. Suitable for categories I, II, III and IV equipment according to ITC-BT-23 from the REBT.

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

The power should be **disconnected** during the installation of the SPD. 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

Reference:		ATCONTROL/B P-T AT-8701	ATCONTROL/B PT-T AT-8702
Nominal voltage:	$U_n$		120 or 230 V <sub>AC</sub>
Maximum overvoltage:	$U_c$		400 V <sub>AC</sub>
Actuation voltage:	$U_a$		150 or 275 V <sub>AC</sub>
Actuation time:			@150 V <sub>AC</sub> → 3 - 5 s / @230 V <sub>AC</sub> → 0.1 - 0.2 s @275 V <sub>AC</sub> → 3 - 5 s / @400 V <sub>AC</sub> → 0.1 - 0.2 s
Nominal voltage for the shunt release:			110 - 415 V <sub>AC</sub> / 110 - 250 V <sub>DC</sub>
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 <sup>(1)</sup> :		-	80 A gL/gG
Dimensions:			72 x 90 x 80 mm (4 modules DIN 43880)
S1, S2 cable range:			Maximum section: 1.5 mm <sup>2</sup>
Cable range:			Minimum / Maximum section: 2.5 / 35 mm <sup>2</sup>

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.