

# Automatic power factor controllers Alptec 3.2 / 5.2 / 8.2 and Alptec 8



ALPTEC3.2



ALPTEC5.2



ALPTEC8

Technical characteristics p. 125

Pack	Cat.Nos	Power factor controllers Alptec 3.2 / 5.2 / 8.2	Pack	Cat.Nos	Power factor controller Alptec 8
1	ALPTEC3.2 <sup>1</sup>	Controls the connection and disconnection of the steps, in order to maintain the target power factor Detects critical operating conditions (also in systems having high harmonic content) and protects the power factor correction system Connection to single and three-phase lines, three-phase lines with neutral control and co-generation systems with 4-quadrant operation Can be used for medium-voltage applications • Main functions: - regulation adjustment on power factor - automatic identification of sense of CT current flow - extreme reduction of the number of switching operations - balanced use of steps with same power rating - reactive power measurement per installed step - recording of the number of connections per step - capacitor over-current protection - over-temperature protection by internal sensor - accurate no-voltage release protection function - current and voltage harmonic analysis - quick CT programming function • Equipped with: - USB frontal optic for controller programming,diagnostics and data downloads - LCD backlight display for excellent data reading even with bad lighting conditions (6 languages available) - USB and WiFi communication interface for PC, smartphone and tablet connection Can be equipped with specific expansion modules to extend its own functionality Conforming to standard IEC 61010-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, UL508, CSA C22.2 n°14	1	ALPTEC8 <sup>1</sup>	8 steps expandable to a maximum of 18 steps. Controls the connection and disconnection of the steps, in order to maintain the target power factor Detects critical operating conditions (also in systems having high harmonic content) and protects the power factor correction system Connection to single and three-phase lines, three-phase lines with neutral control and co-generation systems with 4-quadrant operation Can be used for medium-voltage applications • Main functions: - regulation adjustment on power factor or tangent phi - automatic identification of sense of CT current flow - extreme reduction of the number of switching operations - balanced use of steps with same power rating - reactive power measurement per installed step - recording of the number of connections per step - capacitor over-current protection on all three phases - over-temperature protection by internal sensor - accurate no-voltage release protection function - current and voltage harmonic analysis - harmonic analysis of current and voltage waveforms recorded for overload events - quick CT programming function • Equipped with: - USB frontal optic for controller programming, diagnostics and data downloads - LCD backlight display for excellent data reading even with bad lighting conditions (10 languages available) - USB and WiFi communication interface for PC, smartphone and tablet connection Can be equipped with specific expansion modules to extend its own functionality Accepts up to 4 expansion modules Conforming to standard IEC 61010-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, UL508, CSA C22.2 n°14
1	ALPTEC5.2 <sup>1</sup>	5 steps expandable to 8 steps Accepts 1 expansion module			
1	ALPTEC8.2 <sup>1</sup>	8 steps expandable to 14 steps Accepts up to 2 expansion modules			

<sup>1</sup>: Programming software available for download via E-catalogue; App for smartphone & tablet available on Apple Store and Google Play



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