POWER FACTOR CORRECTION

Computer C Wi-Fi

Power Factor Regulator

Circutor

Intro

Compensating for reactive energy has become the first step toward electrical energy efficiency. Installing capacitor banks can guarantee your system will have the right cos phi to avoid penalties on your electric bill and improve the performance of your installation.

The regulator is the key element to manage inductive reactive energy compensation and ensure the operation of the capacitor banks, as it can provide the various warnings and alarms needed for them to monitor and control reactive energy properly.

Wi-Fi communication lets you monitor, in real time and from any web browser, the electrical variables of the bank, as well as any active alarms, without having to travel to the bank.

Computer C Wi-Fi

The **Computer C Wi-Fi** has all the features needed to guarantee the correct operation of the capacitor bank and proper power factor correction:

Measures 4 quadrants
and up to 27 electrical variables.

Plug&Play
to place the device in operation quickly.

Wi-Fi/Bluetooth connectivity
for remote monitoring and configuration.

Up to 10 alarms
Maximum safety by adjusting alarms, including an anti-resonance alarm.

Improved preventive maintenance thanks to alert settings.

Available on the models with 6 and 12 outputs.

Designed for 400 and 230 V ~ networks.

Management, control & maintenance

Analyzes your installation

The **Computer C Wi-Fi** can display up to 27 electrical variables per screen, including voltage (THDV%) and current (THDI%) harmonics, giving you maximum control of the installation and ensuring its correct operation.

Very easy to interpret

Quickly identify the status of your capacitor bank using easy-to-understand colour menus. The regulator shows a different colour, depending on the menu or state it is in.

Blue: Programming

White: Display

Yellow: Alert

Red: Disconnected

Cable-free remote monitoring

Integrated *web server* to remotely monitor your installation's basic electrical parameters from any browser using Wi-Fi communications.

Ensures the correct operation of your bank

Easily do preventive maintenance tasks on your capacitor bank, review the number of switching operations for each step and the total operating hours of the device. Automatic annual maintenance alarm to remind you to perform the periodic check.

Total protection for your capacitor bank

Up to 12 adjustable alarms, based on each user's needs, including a specific alarm to disconnect the steps of the bank in the presence of high levels of voltage harmonics (THDV%), which can lead to resonance that harms the life of the capacitors, thus ensuring the bank is fully protected.

Adjust your installation's cos phi to the value you need

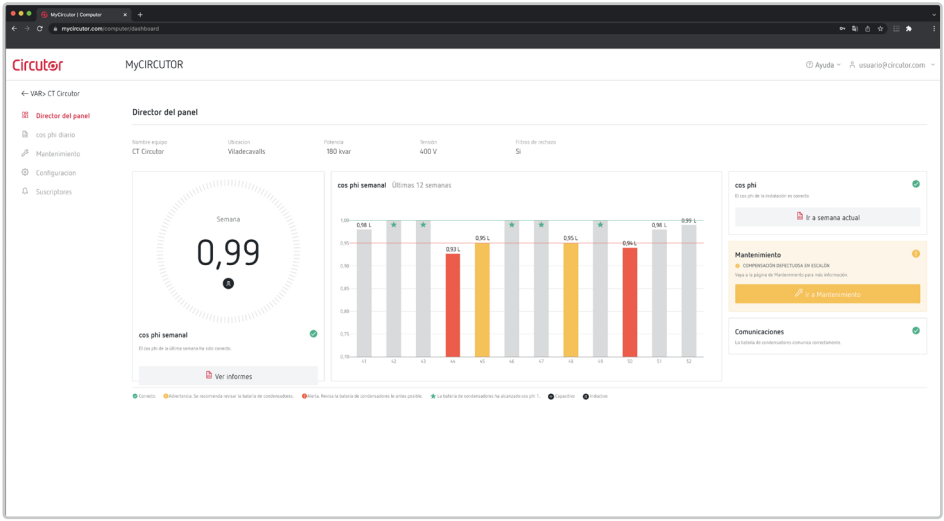
Smart adjustment system to set the acceptable *cos phi* margins for your installation and help you avoid capacitive cosines.

Avoid surprises by connecting your bank to MyCircutor VAR

Power Factor Monitoring System - VAR

Get all the advantages of the Power Factor Monitoring System (VAR) by registering your regulator on the MyCircutor web platform. Track the cos phi of your installation by logging in from any web browser, and stay on top of your installation's status at all times. The VAR system lets you monitor the operation of your capacitor bank to ensure it is correctly compensating for inductive reactive energy, and avoid surprises on your electric bill.

Receive regular reports automatically via email, with statistics on the history of your cos phi and any alarms that may have affected the operation of your capacitor bank.



Technical specifications

AC power supply	Installation category	Cat III 300V
	Consumption	13 VA
	Frequency	50... 60 Hz
	Nominal voltage	400 V~ (±10 %)
Mechanical characteristics	Size (mm) width x height x depth	144 x 144 x 54.85 (mm)
	Enclosure	Self-extinguishing V0 plastic
	Net Weight (Kg)	0.5
Environmental characteristics	Protection rating	IP 30/Front panel: IP 40 IK 08
	Relative humidity (without condensation)	5 ... 95%
	Storage temperature	-20... +70 °C
	Operating temperature	-20... +60 °C
Current measurement circuit	Nominal current (/n)	... / 5 A
	Phase current measuring range	0.05... 5A
	Permanent overload	+20%
Communications	Band	2.4 GHz
	Type	Wi-Fi/Bluetooth
	Standards	**IEEE 802.11 b / g** **IEEE 802.11 n** (up to 150 Mbps)
	Maximum output power	**IEEE 802.11 b**: 20 dBm **IEEE 802.11 n**: 14 dBm
	Connection mechanism	Self-detecting Wi-Fi
	Technology	Wi-Fi, Bluetooth 4.2 BR/EDR, BLE
Digital relay outputs	Quantity	6 or 12, depending on the model
	Maximum current	1 A~
	Maximum open contact voltage	250 V~
	Maximum switching power	250 W
Standards	Electrical safety, Maximum altitude	2000 m
	Electrical safety, Insulation class	Electric shock protection via dual class II insulation (**IEC 61010-1**)
	Electrical safety, Level of contamination	Grade 2
	Standards	**IEC 61010**, **IEC 61000-2-30**, **IEC 61000-6-4**, **IEC 61000-6-2**

References

Type	Code	Power supply voltage	Outputs
Computer C6 Wi-Fi	**R14831.**	400 V~	6
Computer C12 Wi-Fi	**R14842.**	400 V~	12
Computer C6 Wi-Fi	**R148310020000**	230 V~	6
Computer C12 Wi-Fi	**R148420020000**	230 V~	12

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