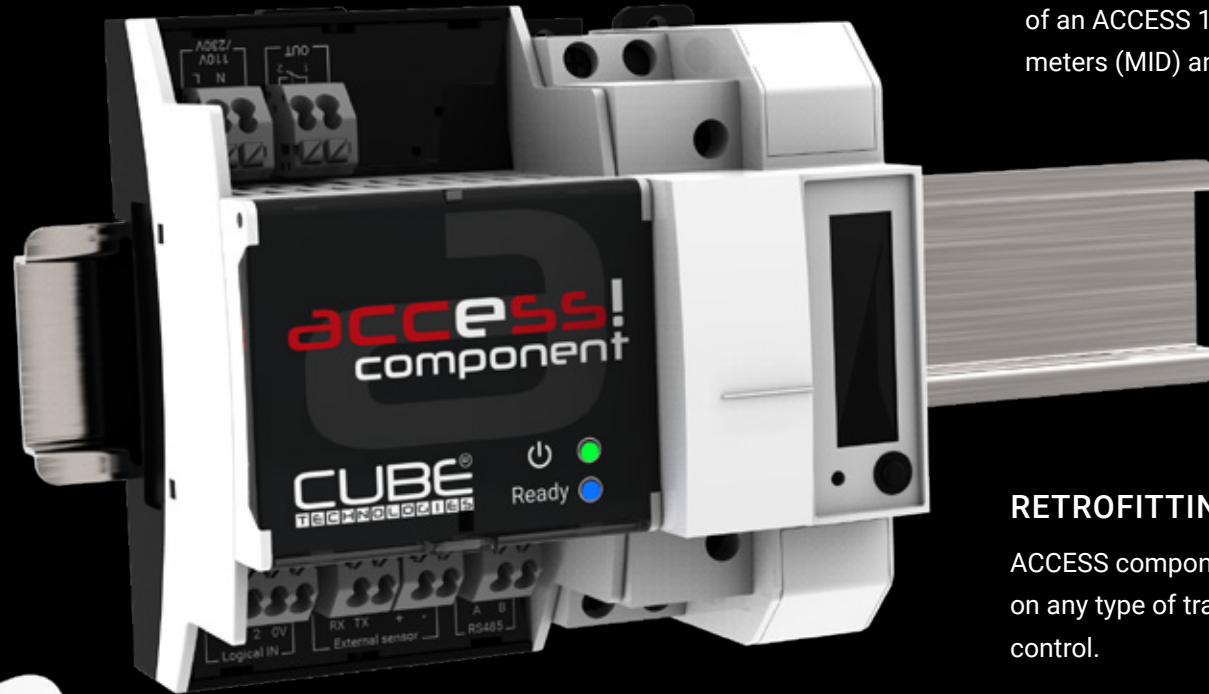# The ACCESS component makes digitalized electrical distribution possible!

KEY BENEFITS OF THE ACCESS SOLUTION

Simplified management of multiple, temporary or long-term users.

Can be installed in all types of electricity distribution systems. Can be installed by any electrician.

Digital power distribution management via a very simple software suite, accessible to all technicians and users.

Precise traceability of electricity consumption and transparent invoicing.

Three complementary usage options: Mobile and/or fixed

The ACCESS solution offers three combinable, mobile and/or fixed applications. The system consists of an ACCESS 1 OUT or 6 OUT component, connected to one or up to six single-phase or three-phase meters (MID) and one or up to six contactor or MN/MX coil switching devices.

ACCESS SWITCHBOARDS BY CUBE

Fitted with the ACCESS solution, they are specifically designed for the trade Fair and conference sector, offering everything to satisfy service providers and exhibitors.

RETROFITTING TRADITIONAL SWITCHBOARDS

ACCESS components, combined with meters and switching devices, can be installed on any type of traditional switchboard to enable digital programming and remote control.

ACCESS DIRECTLY IN THE ELECTRICITY NETWORK (ACCESS INFRA)

Applied directly in the electricity distribution network, ACCESS components, meters and switchgear are used to control electricity distribution and to meter electricity consumption.

Five combinable settings, based on your specific power supply services

Limit!

Automatic shutdown of the switchboards as soon as the exhibitor exceeds one of the 3 limit values.

Power limit,
from 100W to the maximum power of each distribution point, adjustable in increments of 100W.

Consumption limit (kWh),
with consumer credit in kilowatt hours.

Operating time limit,
with end date/time or duration of operation.

Adjust!

Automatic ON/OFF of the switchboard, via 2 setting options.

Daily intermittent mode,
with ON and OFF schedule (e.g. automatic night OFF, etc.).

Delayed switch-on,
with start date/time (e.g. for early installation of terminals, etc.).

Three modes of communication

Three modes of communication between ACCESS components and the ACCESS server, hosted in the Cloud (or a 'virtual machine'), enable the ACCESS solution to be deployed according to the communication and electrical distribution infrastructure of each site.

BLUETOOTH COMMUNICATION (BLE)

Allows autonomous operation, independently of the WLAN network. This mode of operation also enables the use of switchboards equipped with the component, «outside the walls» of a given site.

WLAN COMMUNICATION

The ACCESS component can connect to the site WLAN network via WiFi 4 (2.4 Ghz/WPA2). Communication with the ACCESS Cloud server is initiated by the ACCESS component.

WIRED COMMUNICATION

The perfect solution if the component is used directly in the power distribution network. ACCESS RS485 modules, wired to an ACCESS gateway, offer optimum processing capacity (64 ACCESS 6 OUT components can control up to 384 power distribution points).
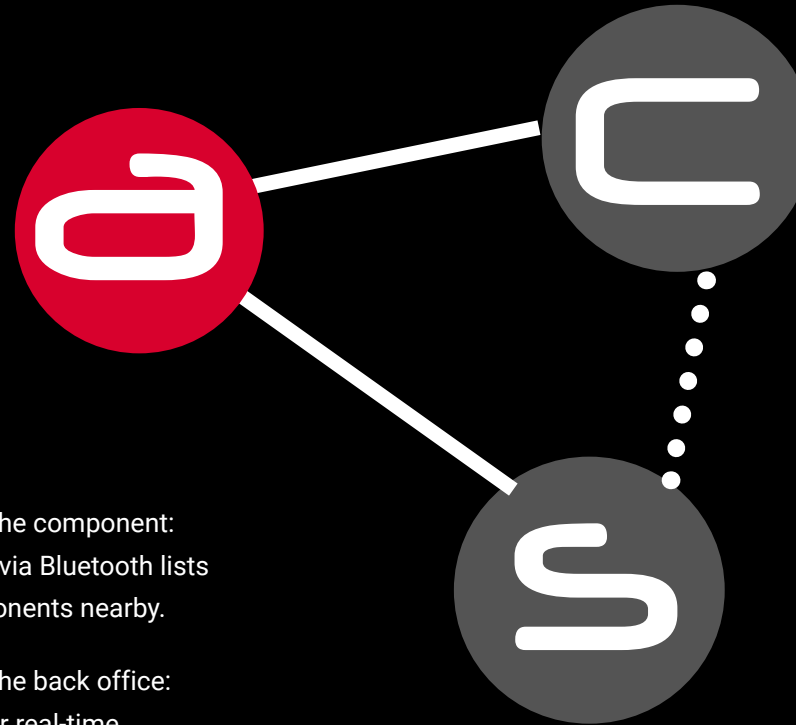
The main features
of the ACCESS software suite

Communication with the component:
NFC tag, QRCode and via Bluetooth lists
of all reachable components nearby.

Communication with the back office:
Via 4G, 5G and WiFi for real-time
communication.

Transmission of all logs stored in the
component.

ACCESS TECH APP OPERATION MANAGEMENT AND DIAGNOSTICS NEARBY

Automatic operation settings based on registered items
(programme templates with limit values), by using a list of stands
and programming parameters (exhibitor orders) or by direct
registration of the required settings.

Manual setting of ON and OFF operating (without limit values).

Real-time monitoring and signalling of the state of
the main protection device RCCB/RCBO.

Operational monitoring of all changes of state of each controled
output with meter index recording.

Recording of the limit value reached in the event of cut-off due to
over-consumption.

The main features
of the ACCESS software suite

ACCESS MANAGER Backoffice (SaaS), REMOTE PROGRAMMING, STORAGE AND MANAGEMENT

Recording of operating status, meter index (60-second intervals) and maximum power reached (60-minute intervals) of the distribution points equipped.

Automatic change of programming of equipped distribution points.

Creation of standard and default programming models of equipped distribution points (operating parameters).

Synthetic dashboard overview for real-time monitoring (e.g. during a trade fair) and/or posteriori monitoring of equipped distribution points (energy consumption, maximum power reached, events, products used, etc.) and export data (Excel format).

Import of order lists (e.g. exhibitor + stand number, power ordered, type of power distribution - permanent or intermittent) to facilitate order management.

Management of user rights.
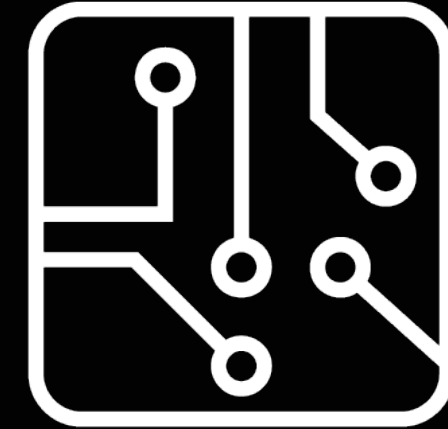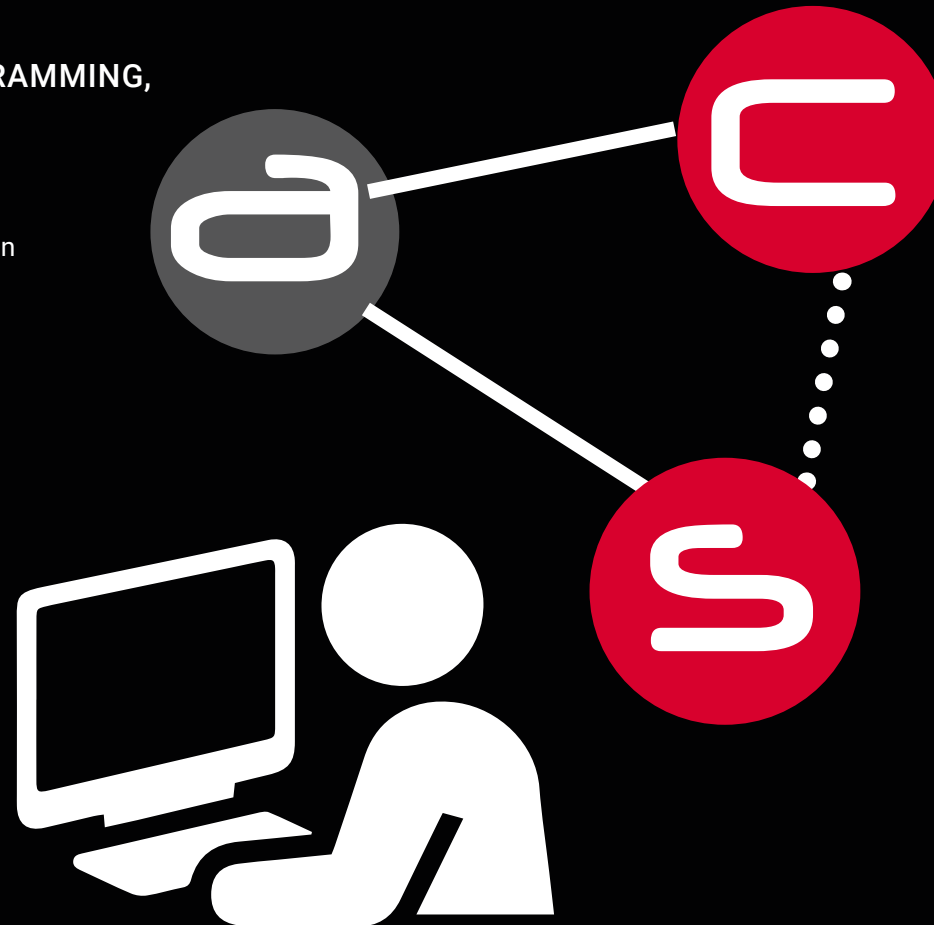
ACCESS EMBEDDED SOFTWARE

Regular transmission of operating status, meter index and the maximum power reached periodically.

Real-time transmission of any change of operating, e.g. in the event of cut-off due to over-consumption.

Regular research of new settings available in the back office.

Internal storage of all incidents, on the FIFO (first IN, first OUT) principle: 6,000 logs, 8MB storage capacity.
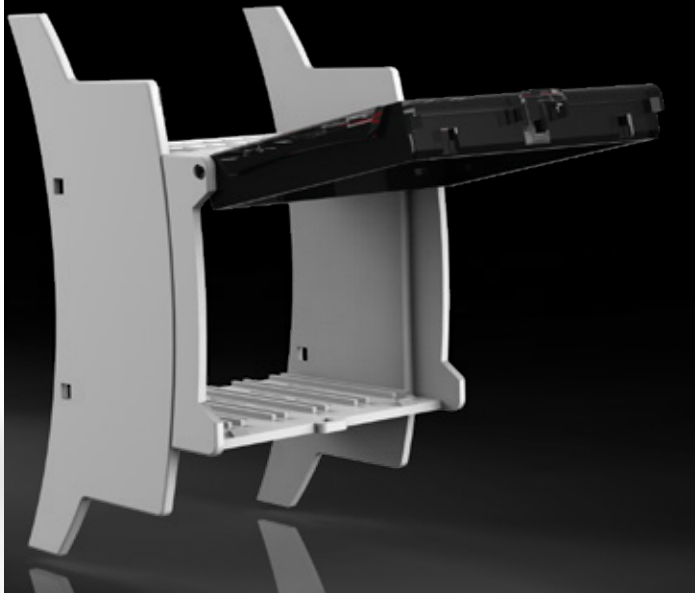
General
technical features
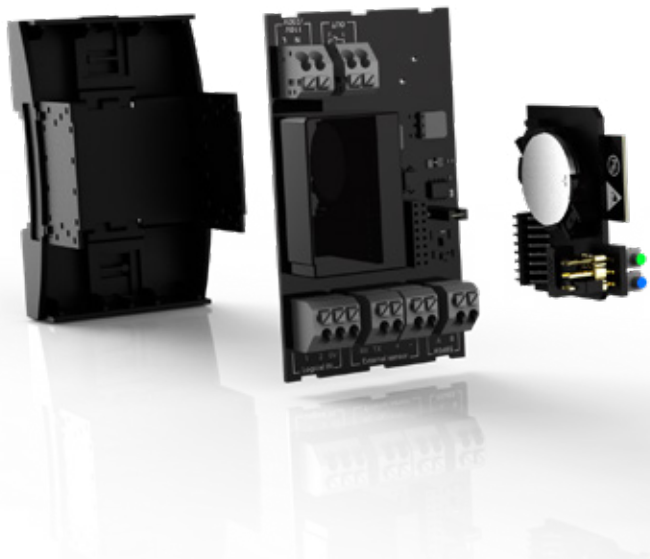
POWER SUPPLY COMPATIBLE WITH ALL COUNTRIES

110V/60Hz or 230V/50Hz

METERING

RS485 serial link for connecting one or several single-phase or three-phase meters (Modbus).

TWO LOGIC INPUTS

Connection of an auxiliary contact (OF, SD),
an emergency stop button, a position sensor
(door, barrier, etc.), or for connection
of a three-position ON/OFF/AUTO switch.

RX/TX port

Connection of an external sensor,
eg. RFID reader, temperature sensor, etc.

Specific
technical features

COMPONENT 1 OUT

SIZE

DIN rail enclosure with 3 modules
(W 54mm x H 90mm x D 56mm)

CONTROLLED SWITCH-OFF

1 output on IN/OUT terminals to connect
an external switch-off device (contactor or MX/MN coil).
Clamp 1: connection of phase or neutral 230Vac
or +|- 24Vdc

COMPONENT 6 OUT

SIZE

DIN rail enclosure with 4 modules
(W 72mm x H 90mm x D 56mm)

CONTROLLED OUTPUT

6 outputs, on terminals 1x IN + 6x OUT
to connect up to six external switch-off devices
(contactors, MX/MN coils).
Clamp 1: connection for phase or neutral,
230Vac or +|- 24Vdc