

ATyS C65

ATS Controller

advanced functionalities



ATyS C65

Function

ATyS C65 is an advanced ATSE controller that, in addition to monitoring current, voltage and electrical energy, manages the functionalities concerning: availability and input and output functions, load shedding of user loads, firefighting lift control functions, energy autonomy, events and alarms (measurements and combination of alarms). It also provides DIRIS Digiware module compatibility.

Advantages

Fast commissioning

On initial power up, the ATyS C65's smart wizard will guide the operator through the commissioning process.

User customisable

Two front face LEDs, load shedding, genset schedulers and the lift control signal are just a few of the many customisable features on ATyS C65.

Intuitive use

- The high-resolution LCD screen provides several dashboards enabling easy monitoring of all parameters, including power and energy consumption of the loads.
- Quick and easy access to main functions through the front face with direct key input.
- Complete configuration can be achieved through the front face or via software (Easy Config System).

Energy backup

The integrated energy backup provides transitional power to the product enabling status indication (switch position, timer status, fault notifications) and communication to remain active with no supply present, for up to 30 seconds

Built-in measurement

Power and energy metering with 1 A or 5 A current transformers.

General characteristics

- Self-powered from voltage sensing.
- Wide voltage range (88-576 VAC).
- 24 VDC aux power supply (for optional use).
- 2 latching relays.
- Digiware IO-10: I/O extension, up to 30 inputs and 18 outputs.
- Power and energy metering with 1 A or 5 A current transformers.
- Backup power.
- IP65 Ingress Protection rating (including front panel gasket).
- 3000 alarms and events.
- Several fully configurable timers, thresholds and I/Os.
- Easy Config System configuration software.
- IK08+ impact resistance.
- Digiware compatible (replaces the U module).
- Ethernet, SNMP, BACnet with DIRIS M-70 gateway. Web server included.
- A Digiware D-70 DIRIS gateway can be used to view data from multiple C55/ C65 ATyS controllers remotely; the D-70 gateway also has Ethernet, SNMP, and BACnet connections.

The solution for

- Data centres
- Healthcare
- Infrastructure & Transport
- Industry
- Buildings

Strong points

- Fast commissioning
- Customisable by the user
- Intuitive use
- Energy backup
- Built-in measurement

Conformity to standards

- IEC 61010-2-201
- IEC 60947-6-1
- GB/T 14048.11 Annexe C



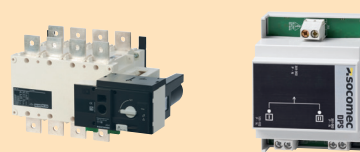
Compatible with

- Communication gateways:



DIRIS Digiware M-70 and D-70

- Transfer switches:



ATyS r & Dual power supply

Optional DPS for use with ATyS r, breakers and contactors without integrated DPS.

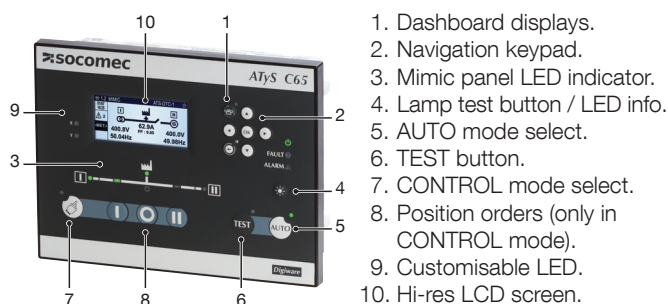
- Current sensors and transducer:



Rogowski sensors & RAC-1A integrator

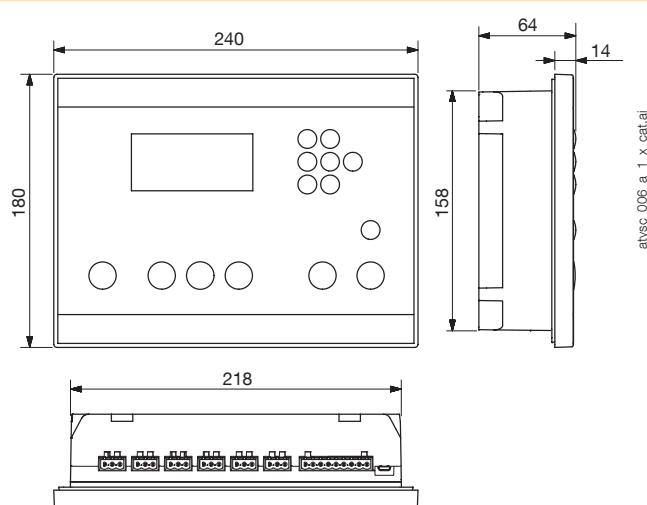
Discover the Rogowski flexible current sensors in combination with the RAC-1A integrator: accurate measurement up to 5000A, ideal for existing installations. Choose from 6 diameters for a suitable solution. Increased compatibility with meters and PMDs with 1A input(s). Opt for this scalable offer that adjusts according to your specific needs.

Front panel



atysc_020x_a_front.ai

Dimensions (mm)



atysc_006_a_1_x_cat.ai

Characteristics

Electrical characteristics

AC operating limits	110 - 480 V AC $\pm 20\%$
Optional DC supply	24 V DC
Frequency limits	45 - 65 Hz
Power consumption	< 10 W
Current transformers	1 or 5 A
Type of measurement	true RMS (TRMS)
Inputs	6, fully programmable
Outputs	6, fully programmable
Output relay	8 A AC 15
I/O extension (IO10)	up to 30 inputs and 18 outputs
EMC classification	Class A and B
Impulse withstand	8/6 kV ⁽¹⁾
Overvoltage category	CAT 3

Mechanical characteristics

Weight	1080 g
Door cutout	220 x 160 mm
Ingress Protection rating	IP65
Operating temperature	-30 to +70°C

Communications

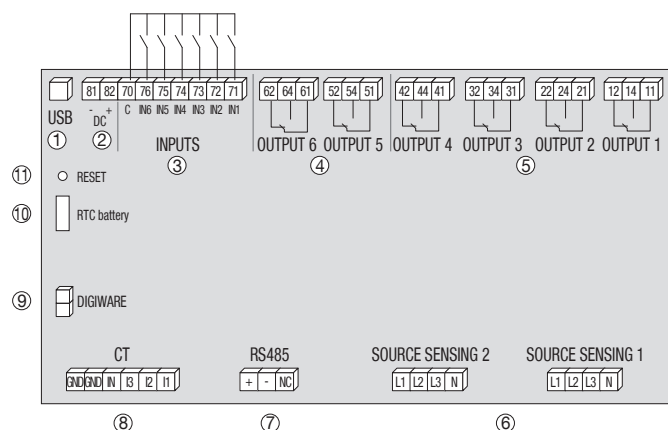
Interface type	RS485. 2 to 3 half duplex wires
Protocol	MODBUS RTU
Baud rate	programmable 1200 - 115200 bps
Digiware bus	RJ45 cable

Display

Screen resolution	350 x 160 pixels
Event recorder	3000 events
Energy backup	up to 30 seconds

(1) 8 kV tested between phases of a different source and 6 kV tested between phases of the same source.

Terminals



atysc_008_b_1_en_cat.ai

1. USB configuration
2. 24 VDC aux power supply (for optional use)
3. 6 x inputs
4. 2 x latching relay outputs
5. 4 x relay outputs
6. Source sensing (110 - 480 $\pm 20\%$)
7. RS485 communication
8. Current transformers (1 or 5 A)
9. RJ45 Digiware connectors
10. Replaceable RTC battery
11. Hard reset button

References

ATyS C65

Description	Reference
ATyS C65 – ATS controller (includes mounting kits) and IP65 gasket	1600 0065
DIRIS Digiware M-50 multi-protocol Ethernet gateway	4829 0221
DIRIS Digiware D-50 multipoint display, Ethernet output	4829 0204
DIRIS Digiware M-70 communication gateway for Ethernet & Web server	4829 0222
DIRIS Digiware M-70 communication gateway for Ethernet & Web server and multi-product display	4829 0203
Dual power supply - DPS	1599 4001
ATyS r - Remotely operated transfer switches	9523 xxxx ⁽¹⁾

(1) xxxx depends on number of poles and rating