



**QUICK START EN**

**ATyS C66** **US LISTED**

ATS Controller

**Installation and Commissioning**



**Preliminary operations**

- Check the following upon delivery and after removal of the packaging:
- Packaging and contents are in good condition.
- The product reference corresponds to the order.
- Contents should include:
  - Qty 1 x C66 Controller
  - Qty 1 x Controller gasket for NEMA 3R12
  - Qty 4x door mounting screws
  - Qty 4x backplate mounting feet

**Warning**

**⚠ Risk of electrocution, burns or injury to persons and / or damage to equipment.**  
This Quick Start is intended for personnel trained in the installation and commissioning of this product. For further details refer to the product instruction manual available on the SOCOMEC website.

- This product must always be installed and commissioned by qualified and approved personnel.
- Maintenance and servicing operations should be performed by trained and authorized personnel.
- Do not handle any control or power cables connected to the product when voltage may be, or may become present on the product, directly through the mains or indirectly through external circuits.
- Always use an appropriate voltage detection device to confirm the absence of voltage.
- Ensure that no metal objects are allowed to fall in the cabinet (risk of electrical arcing).

Failure to observe good engineering practices as well as to follow these safety instructions may expose the user and others to serious injury or death.

**⚠ Risk of damaging the device**

- In case the product is dropped or damaged in any way it is recommended to replace the complete product.
- Installation standards must be respected.

**Accessories**

- Digiware I/O 10 (ref. 48290140)
- Gateway M70 (ref. 48290222)
- Controller 24 VDC aux power supply (6W minimum type SELV) mandatory with I/O 10 Modules (Ref. 4829 0120)

\* For further details refer to the product instruction manual under chapter "Spares and Accessories"

**Spares**

- Connector kit (ref. 16090002)
- Controller mounting feet (ref. 16090005)
- Controller mounting screws (ref. 16090004)
- Controller NEMA 3R12 gasket (ref. 16090001)

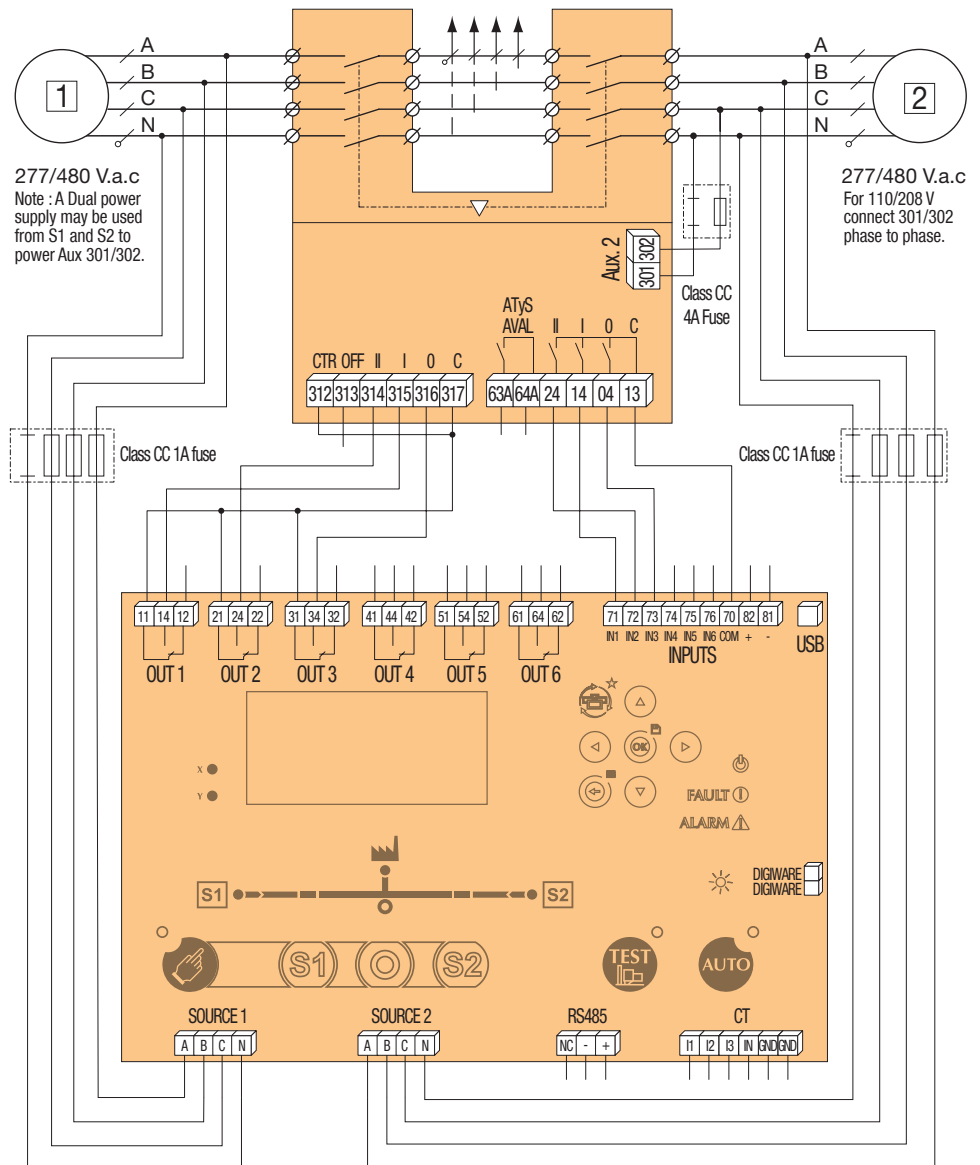


www.socomec.us  
To download, brochures, catalogues and technical manuals

**UL61010**

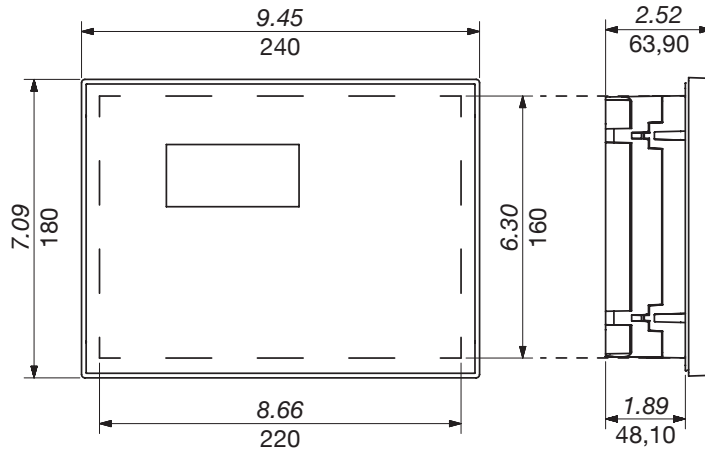
Non contractual document.  
Subject to change without notice.

**Connection diagram with ATyS UL**



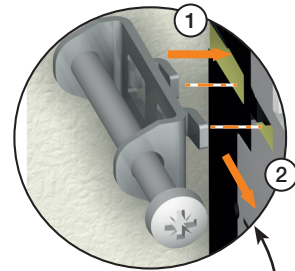
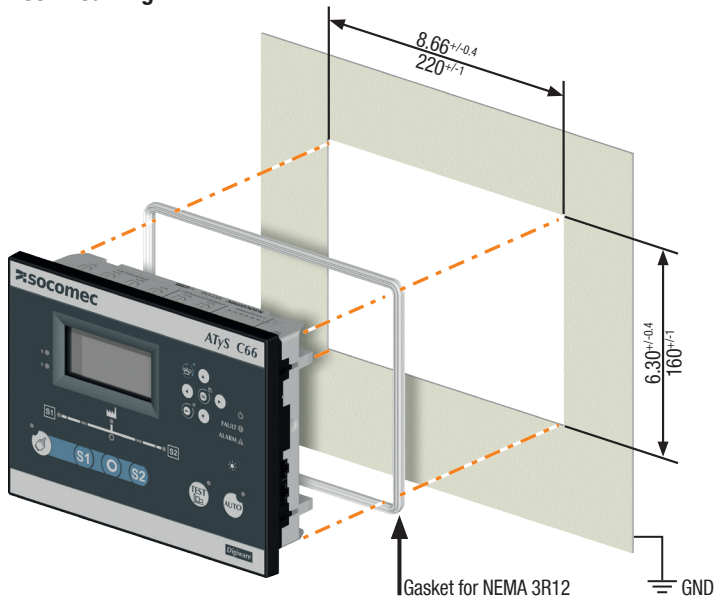
## STEP 1A Product dimensions

Dual Dimensions  
in/mm



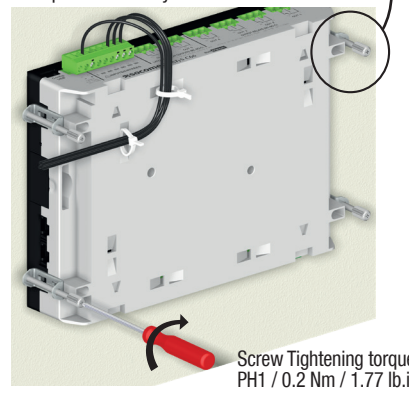
## STEP 1B Mounting & connecting controller

### Door mounting

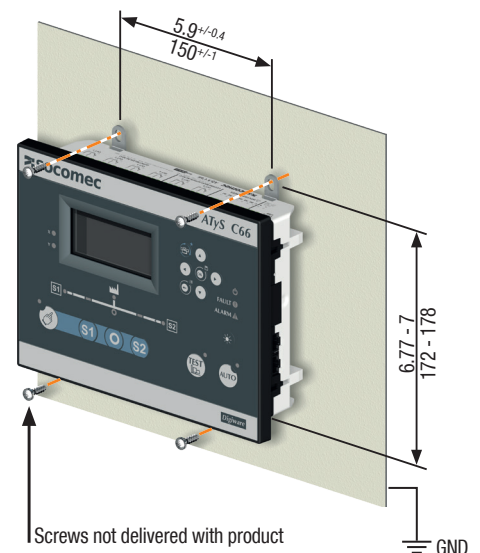
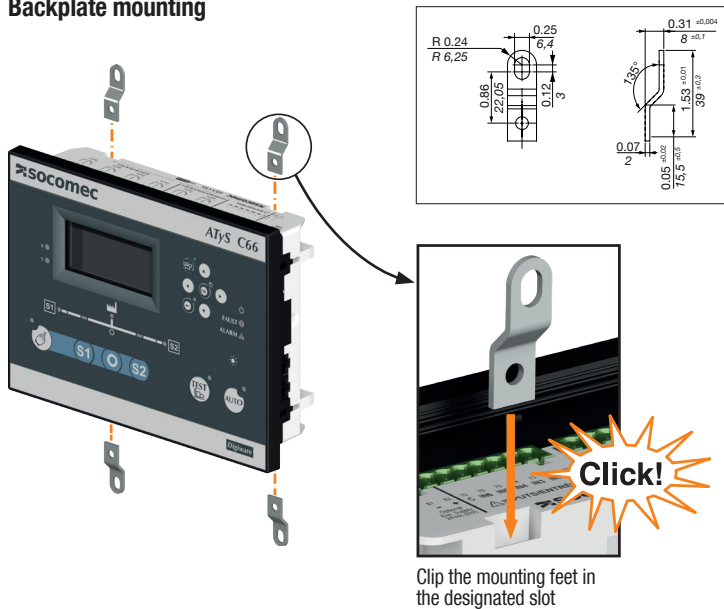


Insert the 4 door mounting screws in the designated slot and push back to lock in place.

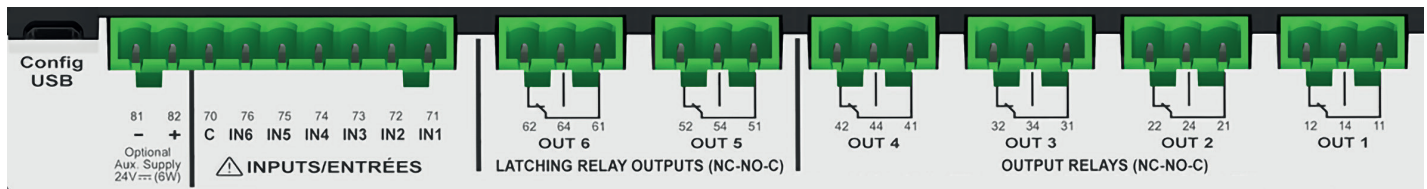
Example of cable way.



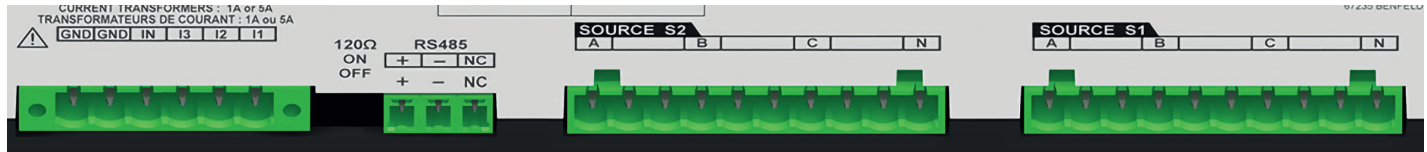
### Backplate mounting



## STEP 2 Controller wiring



Top view

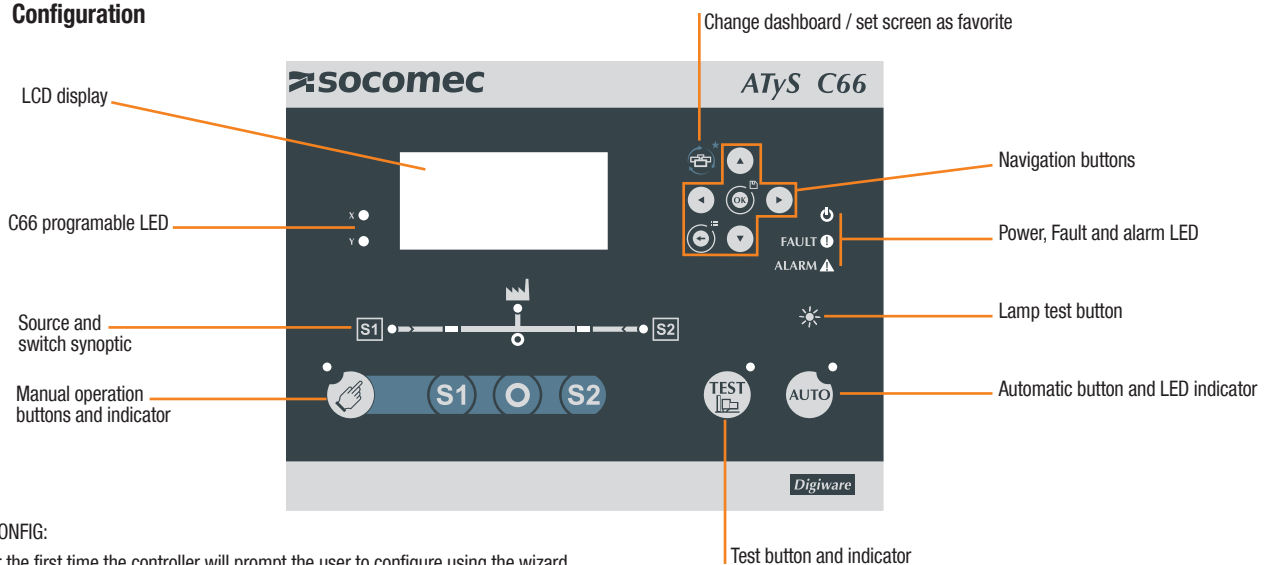


Bottom view

type	Terminal N°	Description	Characteristics	Recommended cross section
Inputs	71	IN1: programmable input	Do not connect to any power supply from terminal 70 common point.	1.5-2.5mm <sup>2</sup> AWG 16-14 Tightening torque 0.5-0.6 Nm 4.4-5.3 Lb.in
	72	IN2: programmable input		
	73	IN3: programmable input		
	74	IN4: programmable input		
	75	IN5: programmable input		
	76	IN6: programmable input		
	70	Common point for inputs		
Aux power supply	81/82	- : negative terminal for aux supply + : positive terminal of aux supply	12-24 Vd.c.	
Outputs	12/14/11	OUT1: reserved (switch ODR1)	Dry contacts 8A / 277 VAC 50/60 Hz 5A / 24 VDC	
	22/24/21	OUT2: reserved (switch ODR2)		
	32/34/31	OUT3: programmable output		
	42/44/41	OUT4: programmable output		
Latching relays	52/54/51	OUT 5: programmable latching relay		
	62/64/61	OUT 6: genset start relay		
Current transformers	IN13/12/11	CT neutral / CT phase C / CT phase B / CT phase A	CT input 1A or 5A	
Serial connection	RS485	Connection RS485 - : negative terminal of RS485 bus + : positive terminal of RS485 bus NC : Ground	RS485 bus insulated	LIYCY shielded twisted pair 0.14 to 1.5 mm <sup>2</sup> / 30-14 AWG Tightening torque 0,22 -0,25 Nm 1.9-2.2 Lb.in
Digiware*	DIGIBUS	Connection point for I/O 10 optional accessories (must use 24 VDC input)	RJ 45 digiware cable	

\* For more information check I/O module instruction sheet ref 545597

## STEP 3 Configuration



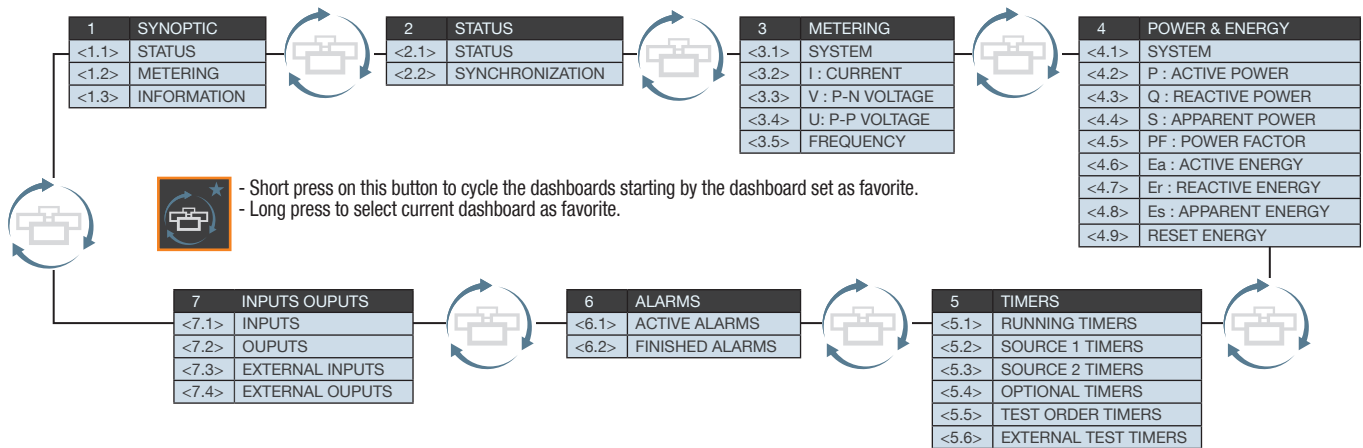
### SMART WIZARD CONFIG:

When powered for the first time the controller will prompt the user to configure using the wizard. To access the wizard input code 1000 then the configuration will go as follow:



For advanced configuration go to parameters menu.

## STEP 4 Visualization



## STEP 5 Menus & programming

MAIN MENU	
	CONTROL
	LOG
	ENGINE EXERCISER
	PARAMETERS
	SPECIFIC FUNCTIONS



- Short press on this button to go back one level.  
 - Long press to access the menus.

CONTROL	
MODE/POSITION	
TEST	
MANUAL RETRANSFER	

LOG	
EVENT LOG	
EVENT BY DATE	
ALARM LOG	
FAULTS	
STATISTICS	

SCHEDULER	
GENERAL PARAMETERS	
CUSTOM 1	
CUSTOM 2	
CUSTOM 3	
CUSTOM 4	

PARAMETERS	
NETWORK	
LOAD	
DISPLAY	
TIMERS	
I/O	
COMMUNICATION	
ALARMS	
PASSWORD	
WIZARD	

SPECIFIC FUNCTIONS	
MANUAL RETRANSFER	
INPHASE TRANSFER	
RETURN TO 0	
ELEVATOR CONTROL	
FORCED LOAD SHEDDING	
SMART LOAD SHEDDING	
POWER UP IN AUTO	
HVAC COMPRESSOR	

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