# zsocomec



STEP 4

F

ATS Power Supply

Power supply II - L/N

Power supply II - N/L

208-277 VAC +20%

**ATS Voltage Sensing** 

Source supply I

S II - Phase

S II - Phase

S II - Phase / Neutral

575 VAC (ph-ph) max

S II - Neutral / Phase

332 VAC (ph-n) max

Programmable Inputs

oot. Module/Commor

Progr. Inputs (208-209)

To opt. Module positive

Start/Stop Signal

Genset

Common

NC

Input II

50/60 Hz

Inpu



- 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:
- Otv 1 x ATvS p
- Qty 1 x Emergency handle and fixing clip
- Quick Start instruction sheet

# Warning

A 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 he installed and
- commissioned by qualified and approved personnel.
- Maintenance and servicing operations should be performed by trained and authorised 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 enginering practises as well as to follow these safety instructions may expose the user and others to serious injury or death.

# A Risk of damaging the device

 In case the product is dropped or damaged in any way it is recommended to replace the complete product.

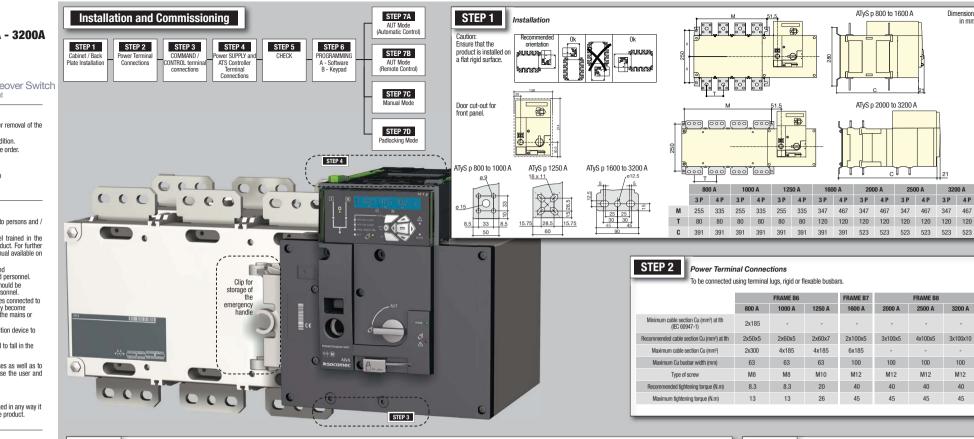
- · Bridging bars and connection kits.
- Control voltage transformer (400Vac -> 230Vac).
- DC power supply (12/24Vdc -> 230Vac)
- · Mounting spacers to raise the product x 10mm.
- · Phase barriers.
- Terminal shrouds / Terminal screens.
- · Auxiliary contacts (Additional).
- Padlocking in 3 positions (I 0 II).
- Lockout accessories (RONIS EL 11 AP).
- · Door escutcheon frame.
- ATyS D20 Interface (remote control / display unit). • RJ45 cable for ATyS D20 => ATyS p.
- · Voltage sensing kit.
- Current transformers
- · Plug-in optional modules: RS485 MODBUS communication, 2 inputs/2 outputs, Ethernet communication, Ethernet communication + RS485 JBUS/MODBUS gateway, Analogue outputs, Pulse outouts

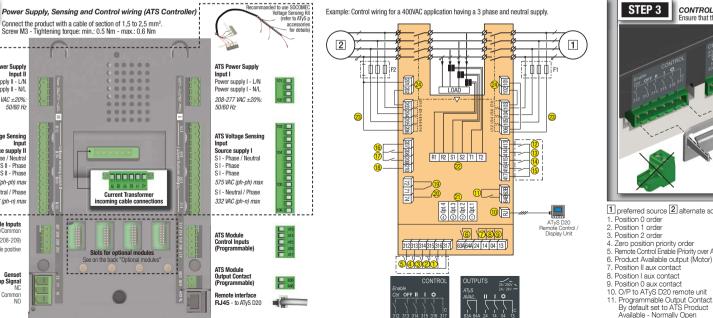
For further details refer to the product instruction manual under chapter "Spares and Accessories

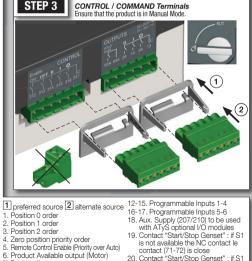


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- 7. Position II aux contact is not available the NO contact le 8. Position I aux contact
  - contact (71-74) is open 21. Option Module Slots 1 to 4
    - 22. Current Transformer incoming cable connections
      - 23. Voltage Sensing Inputs
      - 24. Power Supply Inputs

Dimensions

3200 A

3P 4P

3200 A

3x100x10

100

M12

40

45

120 120 120

467 3/17 467

FRAME B8

2500 A

4x100x5

100

M12

40

45

in mm



(Downloadable free from www.socomec.com)

Hz. Phase rotation and Neutral Position quick and easy.

A - Programming with Easy Config Software

Programming the ATyS p

The ATyS p is to be programmed powered up and after wiring

verification tests. This may either be done through the front of the ATS Controller using the keypad or with the user-friendly Easy

STEP 6

Config software

available

### Ontional Modules

Communication between the software and the ATvS p may be done through the Ethernet/Modbus TCP or Modbus RTU modules that are available as an option. The ETHERNET / MOBUS modules are to be installed in one of the slots provided in the ATYS of ATS control unit

Extended I/0 2xIP 2x0/P

Ethernet/Modbus TCP Simple

Modbus RS485

Monitoring Webserver

Easy Config may be used with a PC connected or through ETHERNET or MODBUS modules as well as isolated from the product and simply saved on a PC for download at any convenient time

Note: The ATyS p may accept a total of 4 additional Input / Output modules offering an additional 8 programmable inputs and 8 programmable outputs When including a MODBUS module the ATvS p accepts a total of 3 I/O modules and when including the ETHERNET module a total of 2 I/O modules. Refer to the ATyS p accessory section for details.



For convenience, we recommend to use the Easy Config software. The ATyS p is delivered with default setting values based on most used customer application requirements. The minimum configuration parameters that must be programmed are the type



### B - Programming with the ATyS p keypad

also possible when in Super User Mode

include a screen to monitor and display the ATyS p status.

											_						_	
1 SETUR	>	2 VOLT. LE	VELS	3 FREQ.	LEVELS	4	PWR.	LEVELS	5 TIN	IERS VALUE		6	I-0		7 (	сомм		8 DATE/TIME
NETWORK	4NBL	OV. U I	115%	OV. F	105%	OV.P	1	0000 kVA	1FT	0003 SEC		IN 1		NO	DHCP	NO	(9)	YEAR
AUTOCONF	NO (7)	OV. U HYS I	110%	OV. F HYS	103%	OV.P I	HYS I	0000 kVA	1RT	0180 SEC		IN 2		NO	IP 1-2	192.168.	(9)	MONTH
NEUTRAL	AUTO	UND. U	085%	UND. F	095%	OV.P		11 0000 kVA	2FT	0003 SEC		IN 3		NO	IP 3-4	.002.001	(9)	DAY
ROT PH.		UND. U HYS I	095%	UND. F HYS	097%	OV.P I	HYS	11 0000 kVA	2RT	0005 SEC	(2)	IN 4		NO	GAT1-2	000.000.	(9)	HOUR
NOM. VOLT	400 V	UNB. U I	00%	OV. F	<b>II</b> 105%	(2) When	APP is	set to «M-G» set to «M-M»	2AT	0005 SEC	(1)	IN 5		NO	GAT3-4	.000.000	(9)	MINUTE
NOM. FREQ	50 Hz	UNB. U HYS I	00%	OV. F HYS	<b>II</b> 103%	(4) When o	one of th	ie I/P is set to «EON» ie I/P is set to «EOF» ie O/P is set to «LSC»	2CT	0180 SEC	(1)	IN 6		NO	MSK1-2	255.255.	(9)	SECOND
APP	M-G	OV. U	115%	UND. F	∎ 095%	(6) When ( (7) If the p	one of th roduct is	e O/P is set to «EES» s in manual mode	2ST	0030 SEC	(1)	IN 7		NO (8)	MSK3-4	.255.000	(0)	
PRIO TON	NO (1)	OV. U HYS	110%	UND. F HYS	∎ 097%	(8) With op (9) With Et	otional I/ thernet n	O modules nodule	ODT	0003 SEC		IN 8		NO (8)	ADDRES	S 005		
PRIO EON	NO (3)	UND. U	085%	. I Branner	MOL	DE -	7/		TOT	UNL	(1)	IN 9		NO (8)	BDRATE	9600		
PRIO NET	1 (2)	UND. U HYS	095%	TEST O			1÷	17	TOT	0010 SEC	(1)	IN10		NO (8)	STOP BI	Γ 1		
RETRANS	NO	UNB. U	00%	LOCAL / I	REMOTE CTRL Te				T3T	0000 SEC	(1)	IN11		NO (8)	PARITY	NONE		
CT PRI	100	UNB. U HYS	00%	O AUT	ذ 1	sc 🍸	1-6	7 14	TFT	UNL	(1)	IN12		NO (8)	r			
CT SEC	5	ATyS p device		TFT	0600 SEC	(1)	IN13		NO (8)	Setup by Auto Configuration (Volts, Hz, Neutral pos., Ph rotation)								
S1=SW2	NO	This programming method is necessary for products not equipped with Ethernet or Modbus communication modules that facilitate programming through Easy Config software described above. The keypad is a useful interface and programming method most especially when changing a few parameters or																
BACKLGHT	INT														=			
CODE P	1000	simply interro	gating the p		E2T	0010 SEC	(3)	0UT 2		NO (8)	Go To		1	SETUP				
CODE E	0000	Access throug	sh button (17). Iode, when the	E3T	0005 SEC	(3)	0UT 3		NO (8)	Scroll t	0		AUTOCONF					
BACKUP	SAVE	product is in a stable position (1, 0 or II) with at least one supply source availal Programming is not accessible whilst any cycle sequence is running.							E5T	0005 SEC	(4)	OUT 4		NO (8)	Enter o	ode		1000
<b>To change the configuration:</b> Enter code (factory code = 1000) using navigation push buttons (14).							E6T	LIM	(4)	0UT 5		NO (8)	Set to			YES		
Programming exit: Press and hold for 5 s "Validation" push button (17).							E6T	0600 SEC	(4)	OUT 6		NO (8)	Press 6	60 ms				
Note 1: Values as listed above are the setting values by default.									E7T	0005 SEC	(4)	0UT 7		NO (8)				
<b>Note 2:</b> Ensure that the Default Network Setting and Application match the installation or change accordingly before using Auto Configuration.									LST	0004 SEC	(-)	0UT 8		NO (8)	LEDs f	ash	- <u>\</u>	
3 phase /		3 phase / 3 wi		se / 3 wire	2 phase /	2 wire	1 ph	nase / 2 wire	EET	0168 H	1.1	0UT 9		NO (8)	Save :	press 5s		
4NBL 4BL <sub>3*</sub>		3NBL 3	2N	BL 2	2BL			1BL	EDT	1800 SEC	(6)							urce II must b Configuration.



- 1. MANUAL Mode LED indication. (Yellow steady light when in Manual Mode).
- 2. AUTO Mode LED indication Green steady light when in Auto mode with no timers ninnina
- Green flashing light when in Auto with timers runnina
- 3. LOCAL / REMOTE CONTROL Mode LED indication. Yellow steady light when in Local / Remote
- control mode Remote control mode is achieved with the Auto/Manu selector switched to Auto and terminals 312 closed with terminal 317.
- Remote control orders are received through closing 314 to 316 with 317. REMOTE Control is also achievable through
- Easy Config ATyS p software when connected to the product through Ethernet or MODBUS. (Optional modules). Local Control selectable and operable through the ATyS p kevpad
- 4. TEST ON LOAD CONTROL Mode LED indication. (Yellow steady light when in TON/ FON mode)
- 5. TEST OFF LOAD CONTROL Mode LED indication. (Yellow steady light when in TOF/ EOF mode)
- 6. Load Supply On LED. (Green when the load is supplied).
- 7. Switch 1 LED position indication. (Green when in position 1).
- 8. Source supply I availability LED indication. (Green when supply I voltage is within the set limits)
- 9. Zero position LED indication. (Yellow when
- in position 0). 10. Switch 2 LED position indication. (Green
- when in position 2).

STEP 7A AUT Mode (utomatic Control) Ensure that the emergency handle is not inserted in the product and the memory selector to the AUT position. LED "Power" Green: ON LED Manuel/Default: OFF
STEP 7B AUT Mode (Remote Control)
Impulse logic Contactor logic
order 0
position 1
position 0
position II
Imp. ≥60ms maintened
To enable control, close contact 312 with 317. For contactor logic bridge contact 316 with 317.
To operate: close the contact corresponding to the desired position.
To force the product to 0 position "OFF" bridge 312 313 314 315 316 317 contact 313 with 317.
STEP 7C Manual Mode
S° L
' Avi 🖞 🕅
STEP 7D Padlocking Mode (as standard: in position 0)
AUT
ce not not a
Hazini Danover batt
⊙ <sup>4</sup> / <sub>1</sub> / <sub>8</sub> ≈socomec
Barre
3X 04-8 mm

13

14

15

16

17

18

19

20

21

(Green when supply II voltage is within the

12. LCD Display Screen : (Status, measurement, timers, counters, events,

13. MODE key to shift between operation

14. Navigation Keys to browse through the

15. FAULT LED indication. (Red steady light

16. READY LED indication. (Green steady

in case of an ATS controller internal fault.

Switch the product from Auto to Manual

and back to Auto to reset a fault condition).

light : Product is powered and in AUTO, Watchdog OK, The Product is Available to

and hold for 5 seconds) and to validate the

settings programmed through the keypad.

17. Enter Key used to enter Prog Mode (Press

18. ESC key used to escape from a specific

19. Lamp test key to check the LED's and LCD

21. Red LED Indication: Product Unavailable /

Manual Mode / Fault Condition

22. Auto / Manual mode selector switch

(Key version available as an option)

(Up to 3 padlocks of dia. 4 - 8mm)

(Accessible only in manual mode)

I (On switch I) O (Off) II (On switch II).

25. Switch position indication window:

24. Emergency manual operation shaft location

screen up to the main menu.

20. Green LED Indication: Power

ATyS p menus without software

faults, programming ....)

set limits)

changeover).

screen

23. Padlocking facility