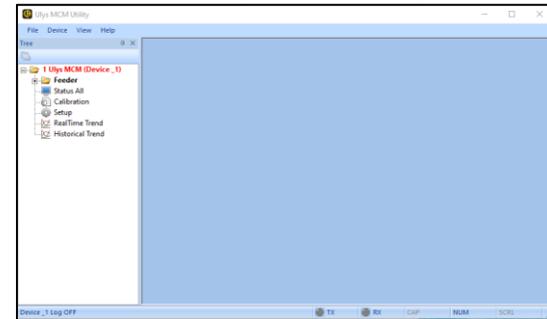


I - Ethernet network configuration

- 1 Connect your Ulys MCM to your PC with a network cable
- 2 Install and run the Ulys MCM Utility software (available from [our website](#))



When the Ulys MCM Utility software starts up, the following window is displayed:



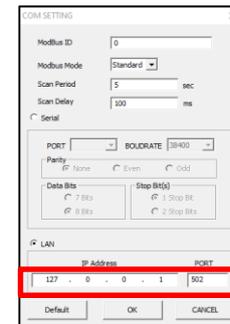
3



In the left-hand panel, right-click on the name of your Ulys MCM in the tree-structure view; a contextual menu appears.

4

In the COM SETTING window displayed, select the LAN option and enter the device's IP address (default IP address: 192.168.0.1, Port: 502), and then click on OK.



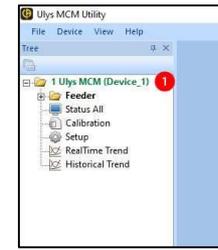
5



In the left-hand panel, right-click and then select Connect in the contextual menu in order to establish the connection between the PC and the ULYS MCM.

The device's name changes from red to green.

Communication becomes active at the foot of the software window.



6

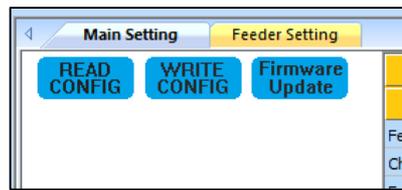
If your Ulys MCM is part of an IP network, replace the IP address entered by default with the address communicated to you by your network administrator.



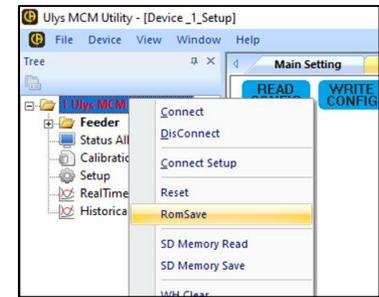
Select Setup in the left-hand panel.

COMMUNICATION		
Name	Value	
Protocol	standard	DHCP
Modbus ID	0	Site
485 port	not used	Devic
485 baudrate	9600	Serial
TCP port	0	Sampl
IP Address	0. 0. 0. 0	Main
Gateway	0. 0. 0. 0	Cloud
Subnet	0. 0. 0. 0	Devic
Mac Address	00-1F-00-00-00-00	Cloud
Dev DNS 1	0. 0. 0. 0	Cloud
Dev DNS 2	0. 0. 0. 0	Cloud
SNTP Use	Not Used	Cloud

In the Main Setting tab's Communication column, modify and enter the IP address, the Gateway and the subnet mask.



Confirm by clicking on Write Config



Right-click on the product name in the contextual menu and confirm with ROMSAVE

NOTE: you must confirm with ROMSAVE after each configurational modification.

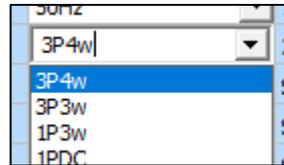
II - Electrical configuration

- 1 Indicate the number of electrical feeders used and the type of power supply.

CONFIG	
Name	Value
Feeder Count	54
Channel Type	Diys MCM 9
Frequency	50Hz
Voltage Type	3P4w
DO Alarm	not used
DO Reset	Status Change
PF Sign	IEC
VA Type	rms
Data Update(sec)	0
Temp Ai Type	NTC
MinTemp	0.0
MaxTemp	0.0

Indicate the number of feeders used

Select the type of voltage network in the drop-down menu (number of voltage phases and wires connected)

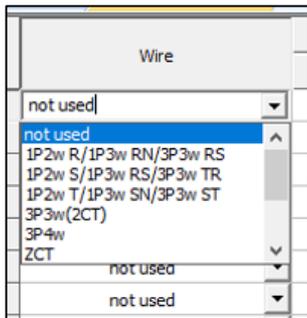


3P4W for a three-phase or single-phase network with neutral
3P3W for a three-phase network without neutral

- 2 Open the Feeder Setting tab to adjust each electrical feeder.

Main Setting		Feeder Setting											
Number	Wire	CT						CH			CT Direction		
		Type	1st	2nd	Turn	WireLength	#1	#2	#3	#1	#2	#3	
#01	not used	Ring CT	0	100mA/333mV	1	10m	None	None	None	+	+	+	
#02	not used	Ring CT	0	100mA/333mV	1	10m	None	None	None	+	+	+	
#03	not used	Ring CT	0	100mA/333mV	1	10m	None	None	None	+	+	+	
#04	not used	Ring CT	0	100mA/333mV	1	10m	None	None	None	+	+	+	
#05	not used	Ring CT	0	100mA/333mV	1	10m	None	None	None	+	+	+	
#06	not used	Ring CT	0	100mA/333mV	1	10m	None	None	None	+	+	+	
#07	not used	Ring CT	0	100mA/333mV	1	10m	None	None	None	+	+	+	
#08	not used	Ring CT	0	100mA/333mV	1	10m	None	None	None	+	+	+	
#09	not used	Ring CT	0	100mA/333mV	1	10m	None	None	None	+	+	+	

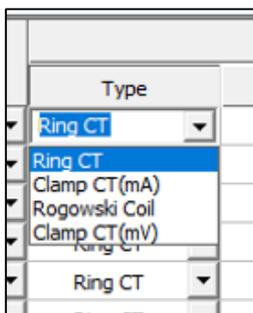
8 Choose the type of wiring (3P4W, 3P3W, 1P3W, etc.)



3P4W Three-phase feeder with neutral
3P3W Three-phase feeder without neutral
1p3W X Single-phase feeder (X = Phase of reference R, S or T)

See "III Configuration and connection diagrams"

9 Choose the type of sensor used



Rogowski Coil for Miniflex flexible Rogowski coils
Clamp CT (mV) for TC Clip current transformers with 333mV secondary

10 Indicate the physical channel and the number of the sensor used for each phase.

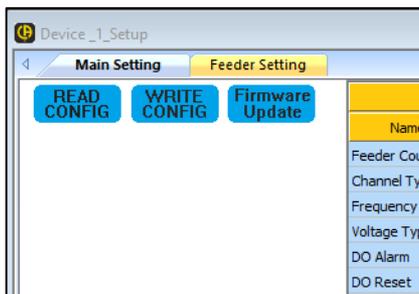
Capteurs raccordés sur la Voie 1

Physical channel no. →

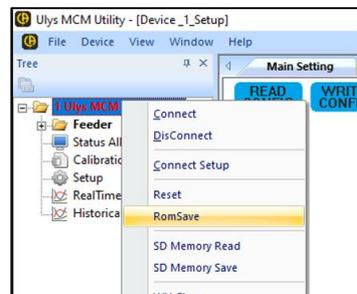
Sensor no. →

CH			
	#1	#2	#3
	01-1	01-2	None
	None	None	None
	None	None	01-1(used)
	None	None	01-2(used)
	None	None	01-3
	None	None	02-1
	None	None	02-2
	None	None	02-3
	None	None	None
	None	None	None

- 11 Return to the Main Setting tab, click on "WRITE SETTING" to write the configuration in the ULYS MCM and finalize with ROMSAVE.



Confirm by clicking on
WRITE CONFIG



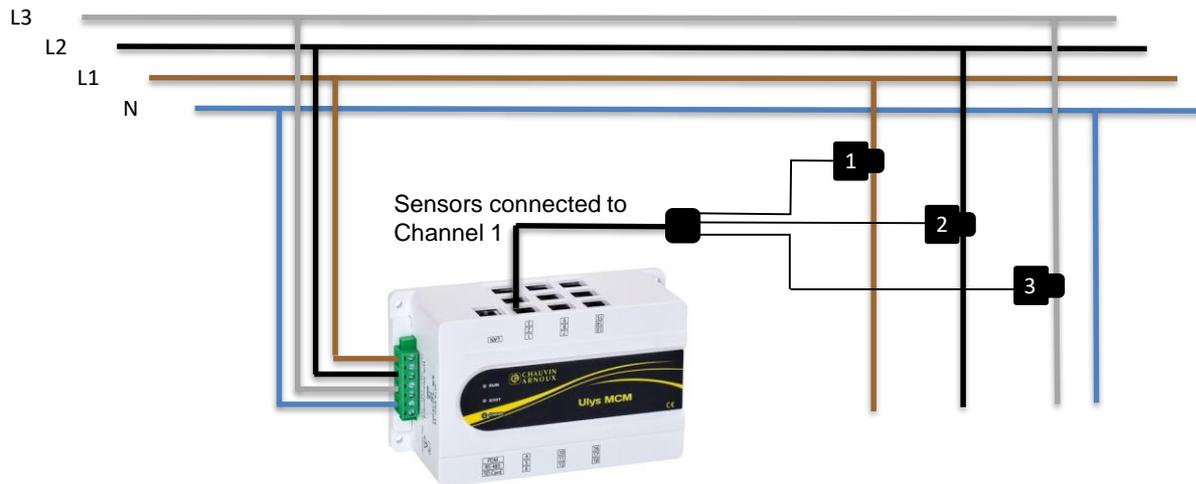
Right-click on the
product names in the
contextual menu and
confirm by clicking on
ROMSAVE

Measurement on a three-phase network with neutral

Number	Wire
#01	3P4w
#02	3P4w
#03	ZCT
#04	3P3w(3CT)
#05	1P3w(2CT)
#06	ZCT A
#07	ZCT B
#08	ZCT C

CH		
#1	#2	#3
01-1	01-2	01-3

Connection diagram: **3P4W**

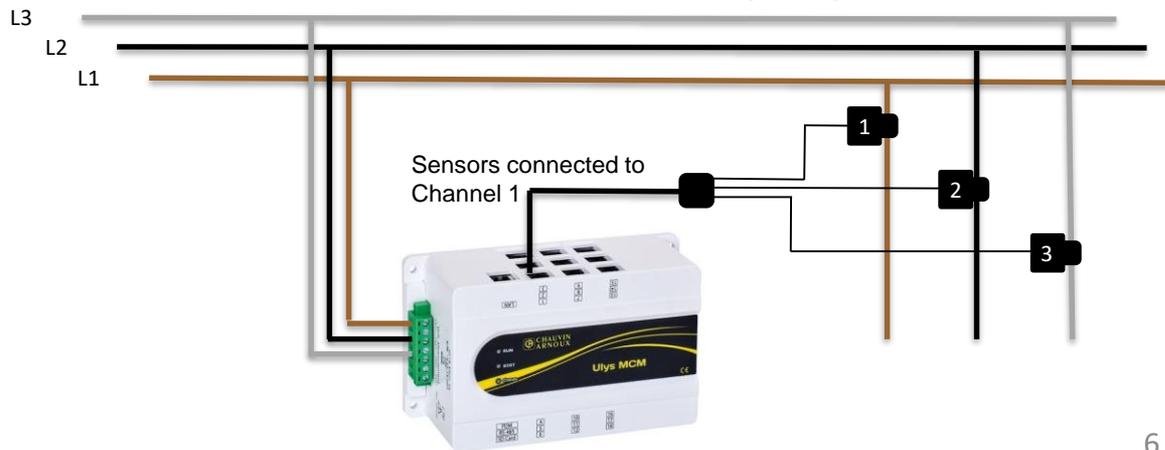


Measurement on a three-phase network without neutral

Number	Wire
#01	3P3w(3CT)
#02	3P4w
#03	ZCT
#04	3P3w(3CT)
#05	1P3w(2CT)
#06	ZCT A
#07	ZCT B
#08	ZCT C

CH		
#1	#2	#3
01-1	01-2	01-3

Connection diagram: **3P3W (3 CT)**

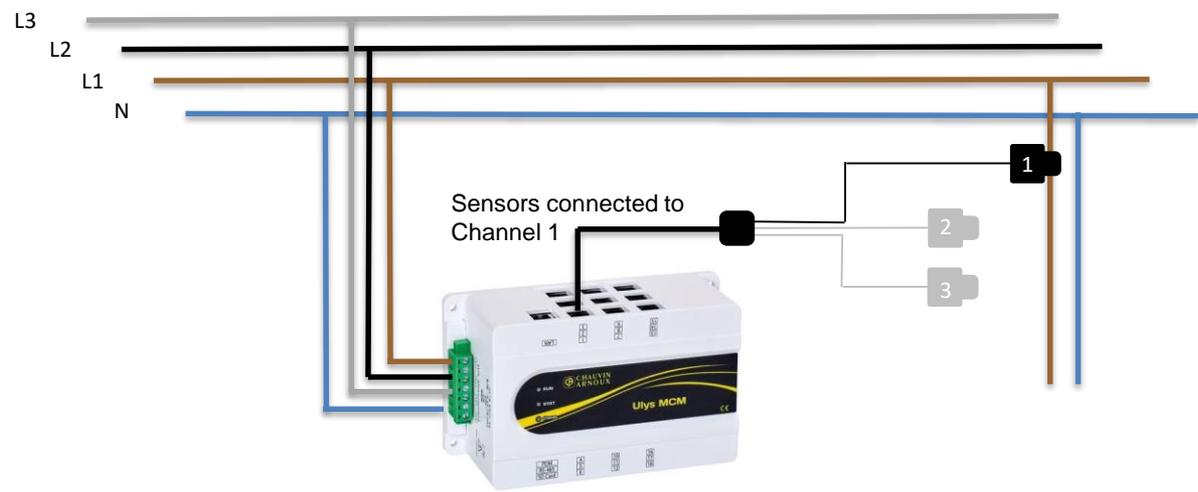


Measurement on a single-phase network with phase 1 as reference

Number	Wire
#01	1P2w R/1P3w RN/3P3w RS
#02	1P2w R/1P3w RN/3P3w RS
#03	1P2w S/1P3w RS/3P3w TR
#04	1P2w T/1P3w SN/3P3w ST
#05	3P3w(2CT)
#06	3P4w
#07	ZCT
#08	3P3w(3CT)

CH		
#1	#2	#3
01-1	None	None

Connection diagram: 1P2W

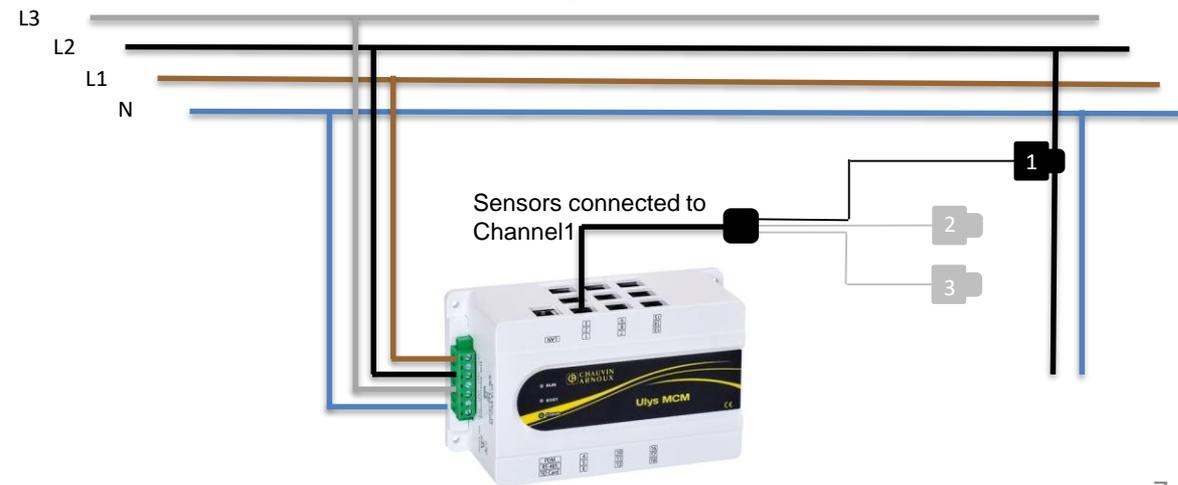


Measurement on a single-phase network with phase 2 as reference

Number	Wire
#01	1P2w S/1P3w RS/3P3w TR
#02	1P2w S/1P3w RS/3P3w TR
#03	1P2w T/1P3w SN/3P3w ST
#04	3P3w(2CT)
#05	3P4w
#06	ZCT
#07	3P3w(3CT)
#08	1P3w(2CT)

CH		
#1	#2	#3
01-1	None	None

Connection diagram: 1P2W



Measurement on a single-phase network with phase 3 as reference

Number	Wire
#01	1P2w T/1P3w SN/3P3w ST
#02	1P2w T/1P3w SN/3P3w ST
#03	3P3w(2CT) 3P4w
#04	ZCT
#05	3P3w(3CT) 1P3w(2CT)
#06	ZCT A

CH		
#1	#2	#3
01-1	None	None

Connection diagram: 1P2W

