



HARNESS INFORMATION

TECHNICAL DOCUMENTATION



Part Number: A53 W0 9 0002-B-EN

Last Update: 05/2018

CRE Technology believes that all information provided herein is correct and reliable and reserves the right to update at any time. CRE Technology does not assume any responsibility for its use. E & O E.





NOTE

Read this entire manual and all other publications pertaining to the work to be performed before installing, operating, or servicing this equipment. Apply all plant and safety instructions and precautions. Failure to follow instructions can cause personal injury and/or property damage.

Motors, turbines and any other type of generator must be equipped with protections (overspeed, high temperature, low pressure... depending on the power plant).

Any changes of the normal use of the equipment can cause human and material damage.

For further information, please contact your CRE Technology distributor or the After-Sales Service Team.

All CRE Technology products are delivered with one year warranty, and if necessary we will be happy to come on site for product commissioning or troubleshooting. The company also provide specific trainings on our products and software.



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INFORMATION

You can download the up-to-date version of this documentation and different other documentations relating to GENSYS 2.0 on our web site: <http://www.cretechnology.com/>





TECHNICAL DOCUMENTATION HISTORY

DATE	VERSION	COMMENTS
Nov. 2012	A	Initial version
Oct. 2016	B	Addition of GENSYS COMPACT and optic fiber information
May. 2018	C	New product design (GENSYS COMPACT & GENSYS COMPACT CORE)

NOTE

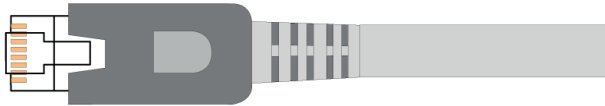
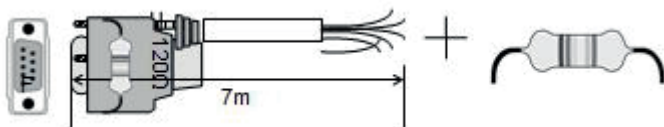
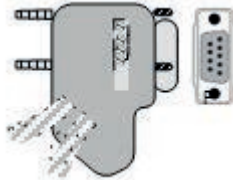
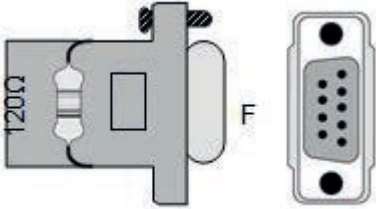
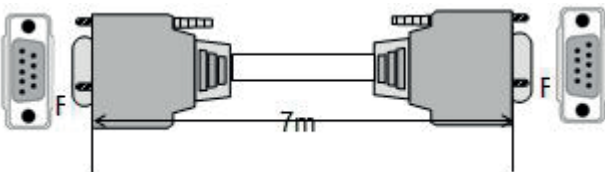


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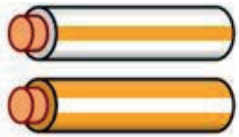
Contact your CRE Technology distributor for course training.



RANGE OF WIRING HARNESS

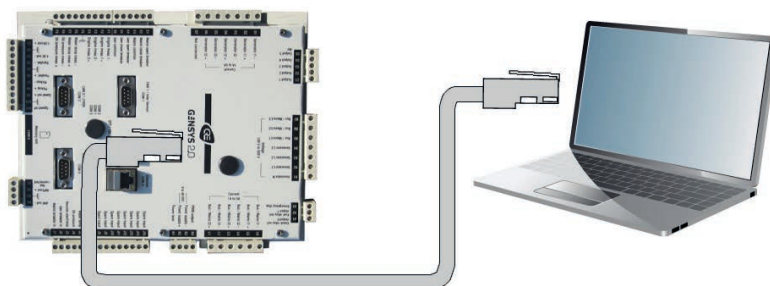
REFERENCES	OVERVIEW
A53W1 ETHERNET CROSS CABLE CAT 5	
A40W2 CAN, RS485	
A40W3 CAN, RS485	
A40W4 CAN, RS485	
A40W5 CAN	
A40W8 CAN, RS485	
A53M0 OPTIC FIBER CONVERTOR Multimode ST/ST	
A53M1 OPTIC FIBER ST/ST Multimode 100 meters	

 Temp : -25 → +75°C – PVC : avoid contact with fuel

WIRES	
	2 – WHITE-BLUE STRIPE = CAN L
	7 – BLUE-WHITE STRIPE = CAN H
	3 – WHITE-GREEN STRIPE = CAN GND
	4 – GREEN-WHITE STRIPE = RS485 GND
	5 – WHITE-ORANGE STRIPE = RS485 Rx
	6 – ORANGE-WHITE STRIPE = RS485 Tx

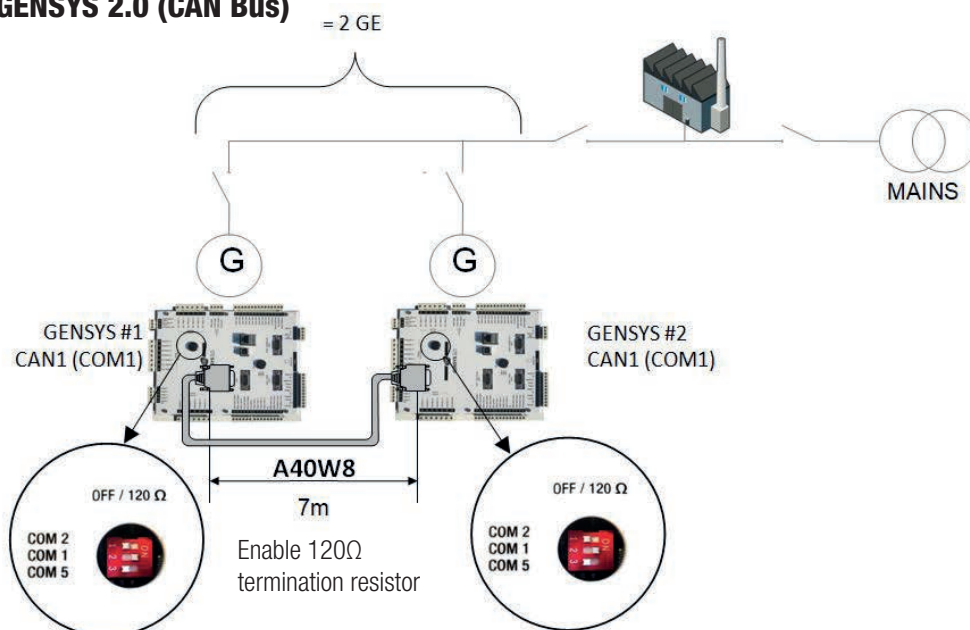
WIRING HARNESS FOR GENSY 2.0

GENSYS 2.0 → PC (Ethernet)

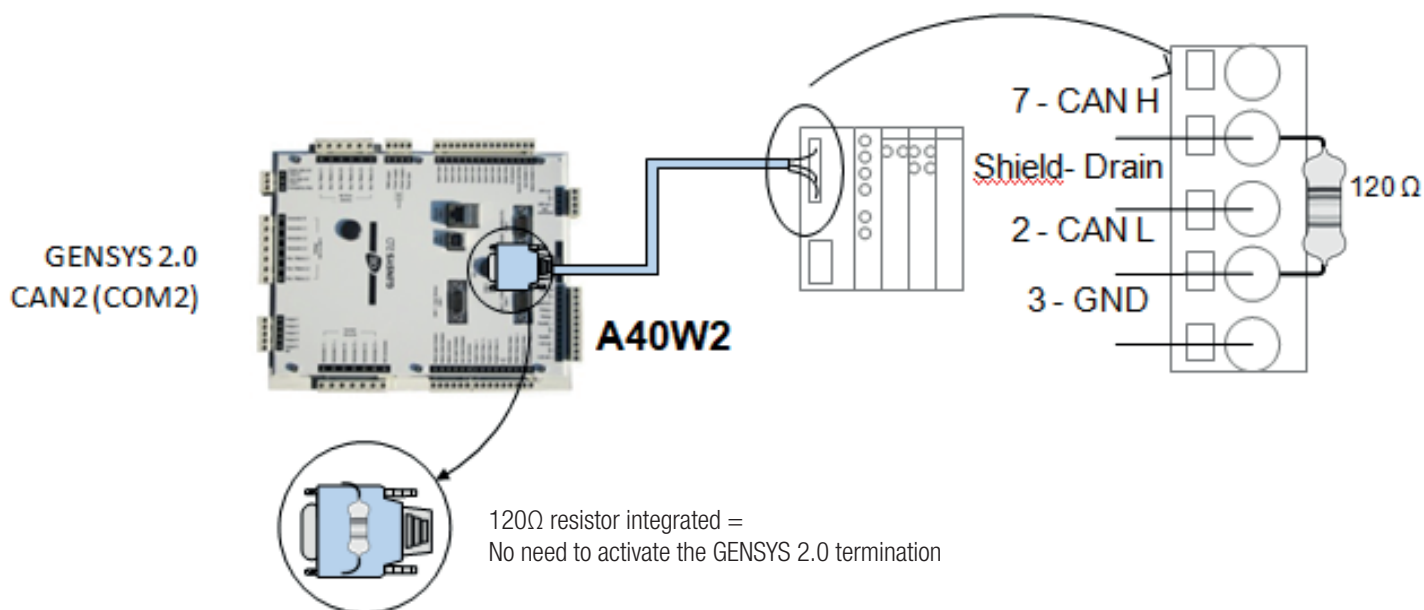


A53W1 (Ethernet) CROSS CABLE CAT 5

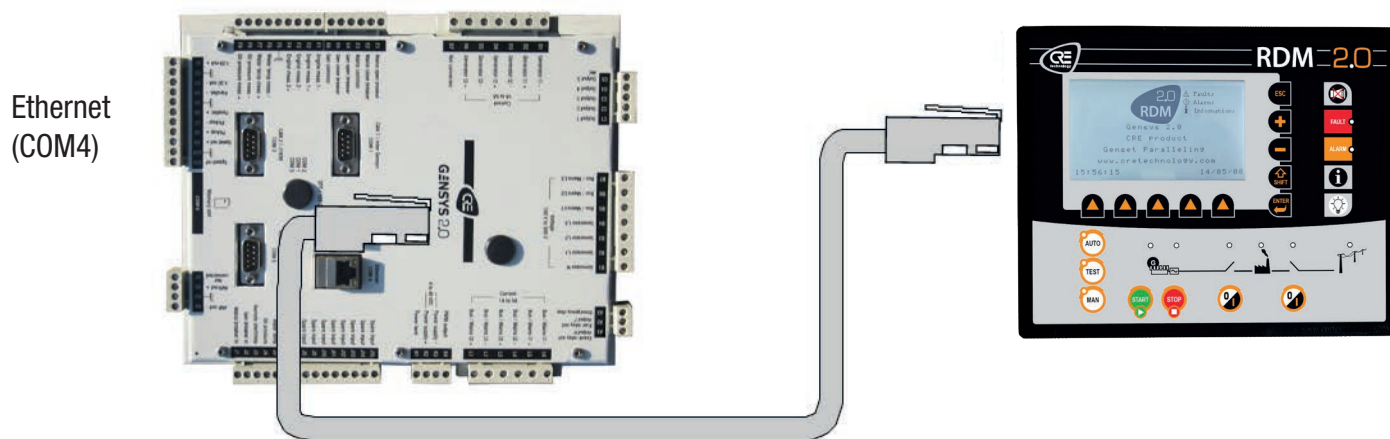
GENSYS 2.0 → GENSYS 2.0 (CAN Bus)



GENSYS 2.0 → REMOTE I/O (CAN Open)



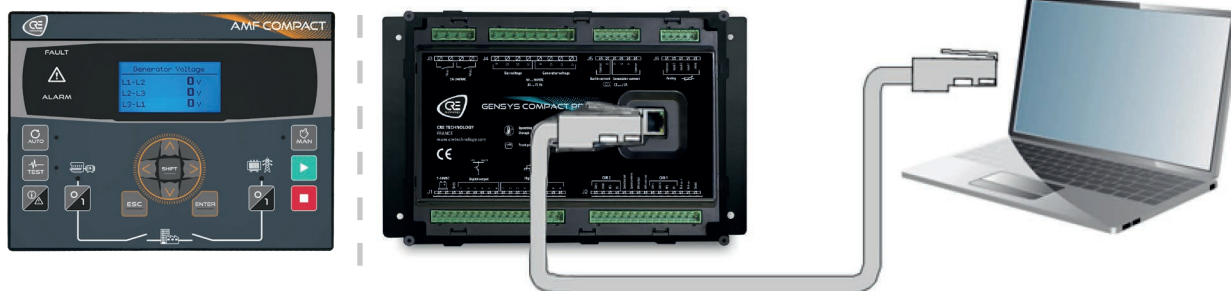
GENSYS 2.0 CORE → RDM 2.0



A53W1 (Ethernet) CROSS CABLE CAT 5

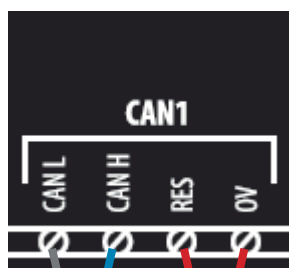
WIRING HARNESS FOR GENSYS COMPACT OR FOR AMF COMPACT

GENSYS COMPACT / AMF COMPACT → PC (ETHERNET)

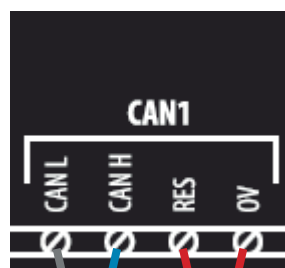


A53W1 (Ethernet) CROSS CABLE CAT 5

GENSYS COMPACT → GENSYS COMPACT (CAN Bus)

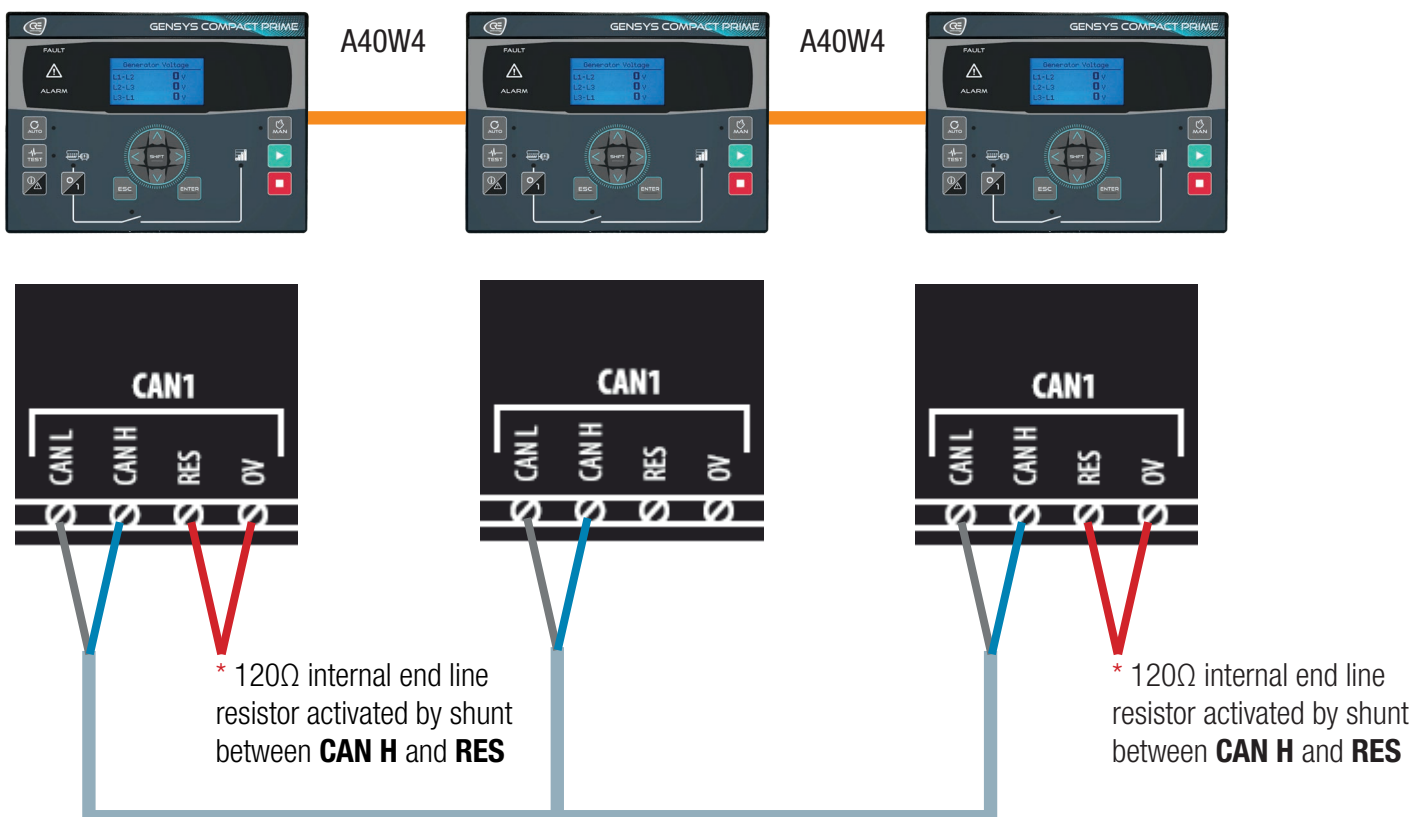


* 120Ω internal end line resistor activated by shunt between **CAN H** and **RES**



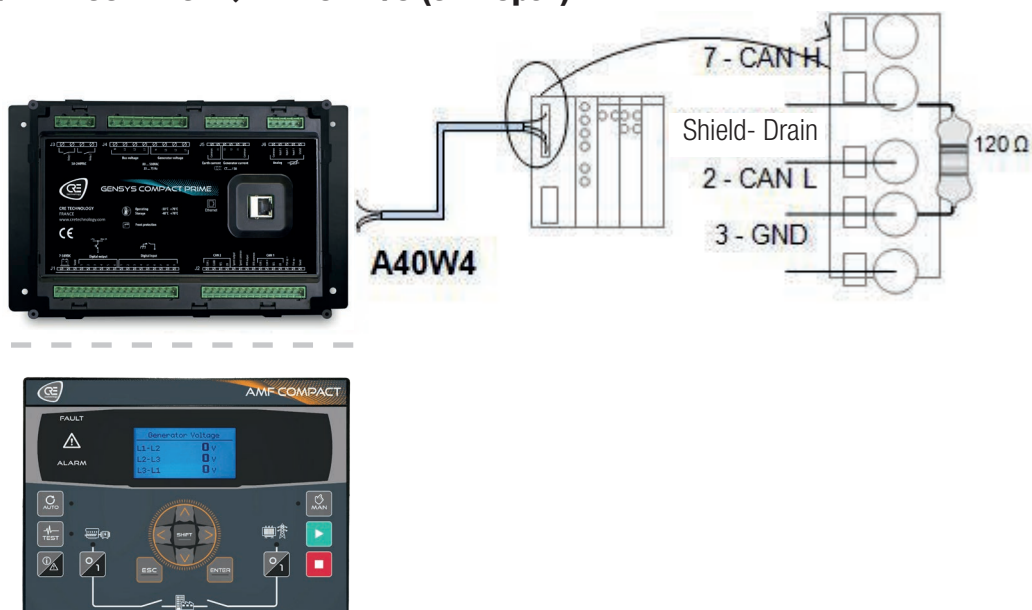
* 120Ω internal end line resistor activated by shunt between **CAN H** and **RES**

GENSYS COMPACT → GENSYS COMPACT → GENSYS COMPACT →... (CAN Bus)



GENSYS COMPACT / AMF COMPACT → REMOTE I/O (CAN Open)

GENSYS COMPACT
CAN 2



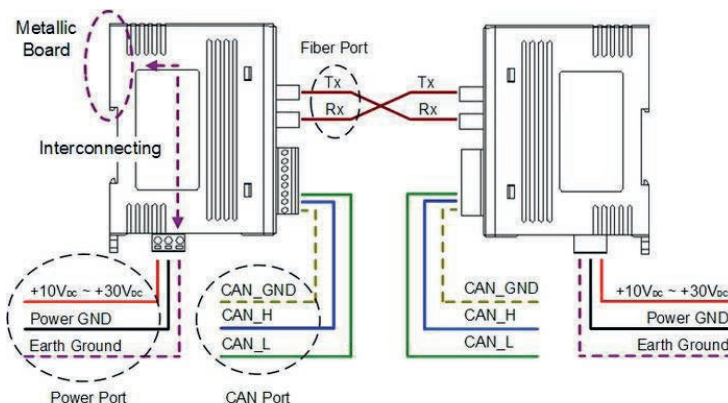
CONNECTION WITH OPTIC FIBER

OPTIC FIBER MANAGEMENT

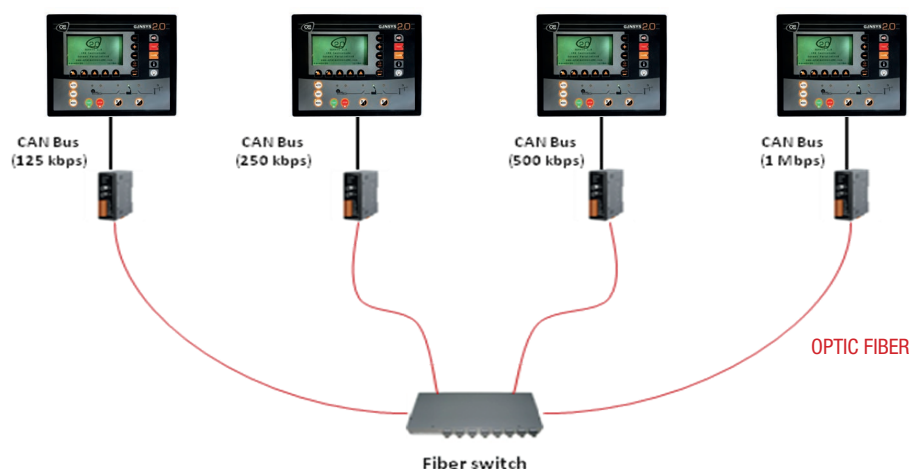
OPTIC FIBER CONVERTOR Multimode ST/ST: P/N: A53M0

OPTIC FIBER Multimode ST/ST 100 meters: P/N: A53M1

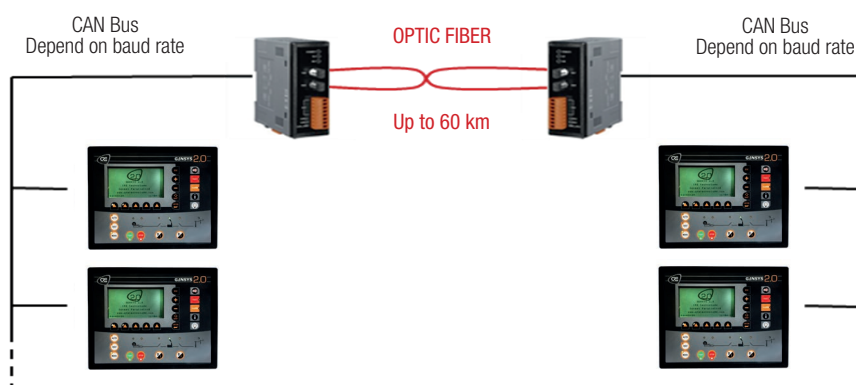
Other lengths: on request.



OPTIC FIBER - Single CAN Network

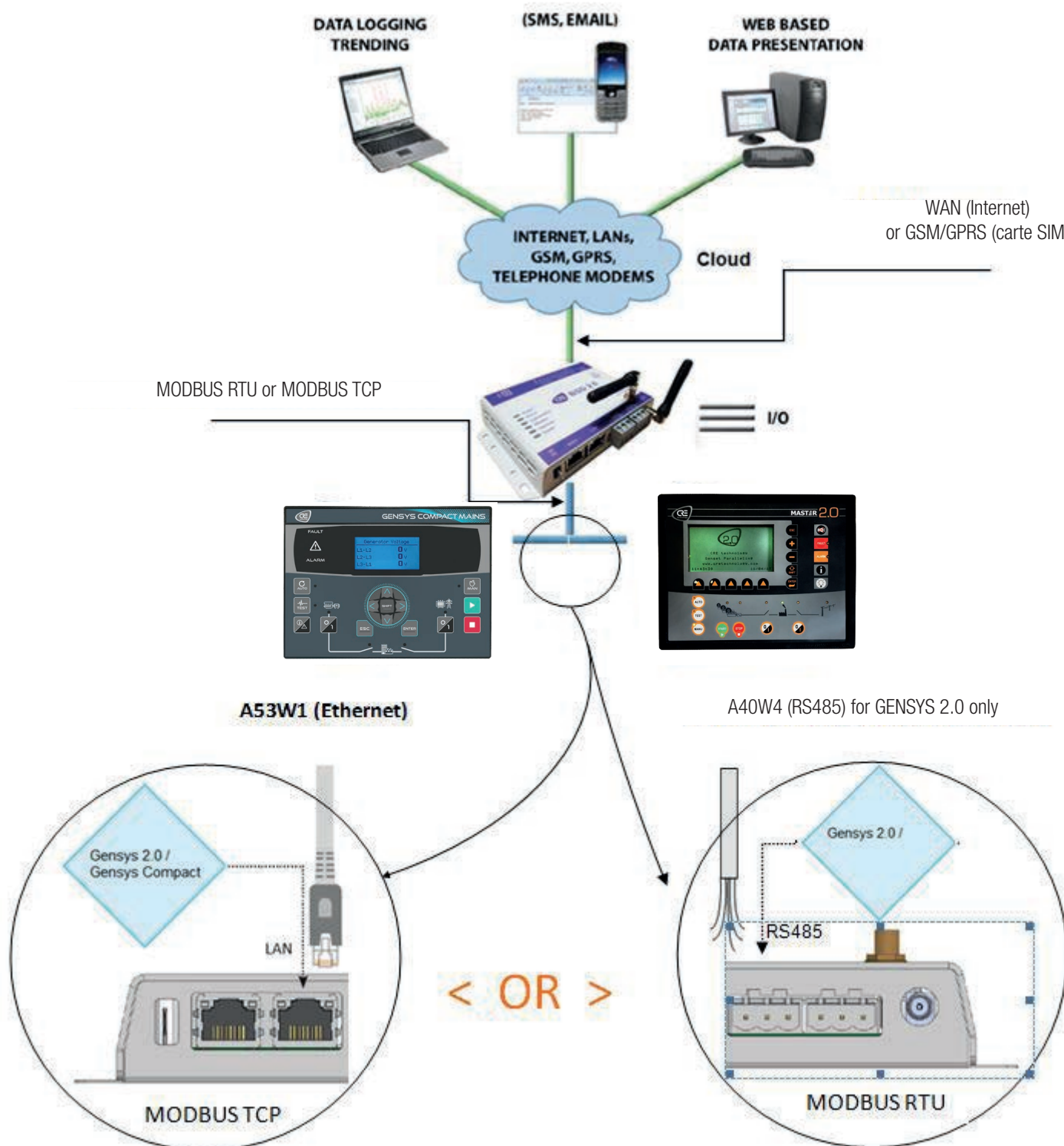


OPTIC FIBER - Multiple CAN Network (different baud rates)



CONNECTION WITH BSD 2.0

GENSYS (2.0 or COMPACT) → BSD 2.0





EXPERT IN GENERATOR SOLUTIONS



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