

Technical characteristics	DIRIS Digiware D-50	DIRIS Digiware D-70
Mechanical characteristics		
10 buttons	Capacitive touch technology	
Screen resolution	350 x 160 pixels	
Device type	Multi-point display and communication gateway	
Communication charcteristics		
Ethernet RJ45 10/100 Mbs	Ethernet Gateway : Modbus TCP, Bacnet IP, SNMP v1, v2, v3 & Traps	
Embedded software	WEB-CONFIG	WEBVIEW-M
Number of slaves	Max 32 devices displayed	
RJ45 Digiware bus	Input	
RS485 2-3 wires	Configurable as input (Master) or output (Slave)	
Speed	9600 bds (10 devices max) / 38400 bds - 115200 bds (32 devices max)	
Micro USB	Configuration via Easy Config System software	
Dimensions		
External dimensions	3.78x3.78 in / 96x96 mm	
Door cut-out	3.62x3.62 in / 92x92 mm	
Depth	1.77 in / 45 mm	
Electrical characteristics		
Supply	24 VDC +/- 15%, Class 2 - 20 W max	
Supply protection	Integrated into SOCOMEC supply (ref. 48290120) or use 24 VDC 1 A fuse	
Consumption	2.5 VA	
Environmental conditions		
Use	Indoor	
Storage temperature	-40 ... +70 °C	
Operating temperature	-10 ... +55 °C	
Humidity	95 % at 40 °C	
Maximum operating altitude	2000 m	
Pollution degree	2	

7 Display LEDs



- ALARM* (red)**
- Off: no active alarm
 - Stable: at least one alarm (measurement, logical, protection) is active on the display or a connected device
 - Flashing: at least one system alarm is active on the display or a connected device
- *Go to the EVENTS menu for details on active alarms*
- COM (orange)**
- Off: display is not communicating with downstream devices
 - Stable: address conflicts during auto-discovery process
 - Flashing: communication in progress with a downstream device (RS485 or Digiware)
- ON (green)**
- Off: display is not powered
 - Stable: device is powered

8 Webserver access

Type in the display's IP address in your web browser. Default IP address is **192.168.0.4**

Profile	Default password
User	(No password)
Advanced user	Advanced
Admin	Admin
Cyber Security	Cyber



For cyber security reasons, it is highly recommended that you change default passwords for Advanced user, Admin and Cyber Security profiles.

The display's ALARM LED will be flashing to indicate an active "Expired password" alarm until all passwords are changed or until the alarm is disabled from Easy Config System software.



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DIRIS Digiware D-50 & D-70

MULTI-POINT DISPLAY - RS485 & ETHERNET



This symbol indicates that the full instruction manual, declaration of conformity EU-type examination certificate are available on the Socomec website:
www.socomec.com/operating-instructions

www.socomec.com

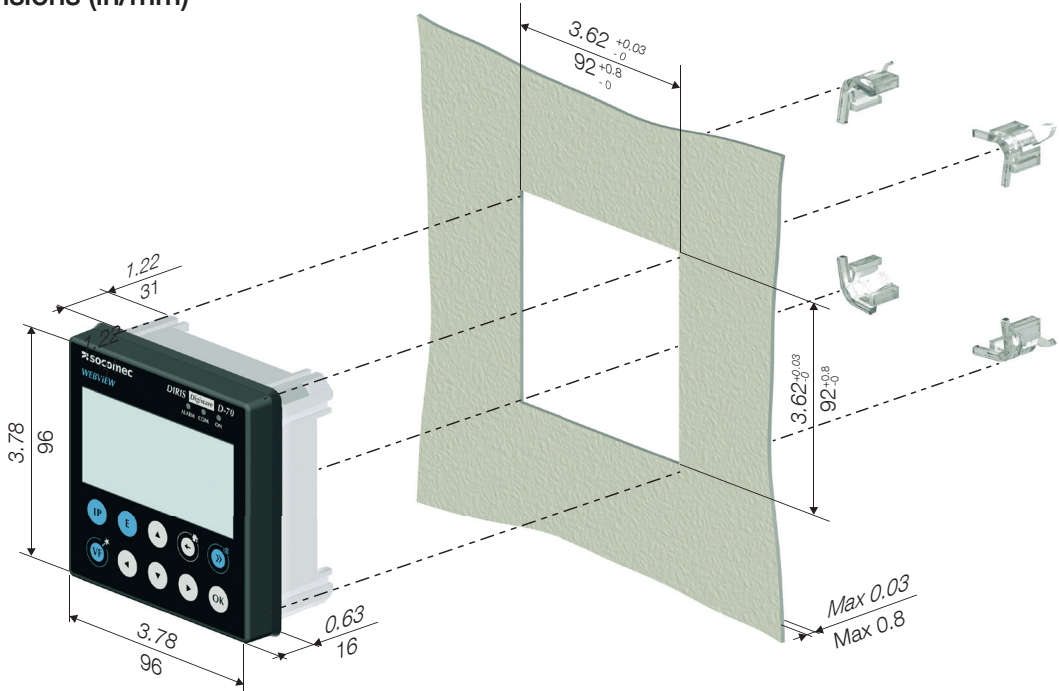


Multi-point display
DIRIS Digiware D-50
Ref. 48290204



Multi-point display
with WEBVIEW-M
DIRIS Digiware D-70
Ref. 48290203

1 Dimensions (in/mm)



2 DIN rail mouting kit (separate part number: 48290230)

1

1 Nm max

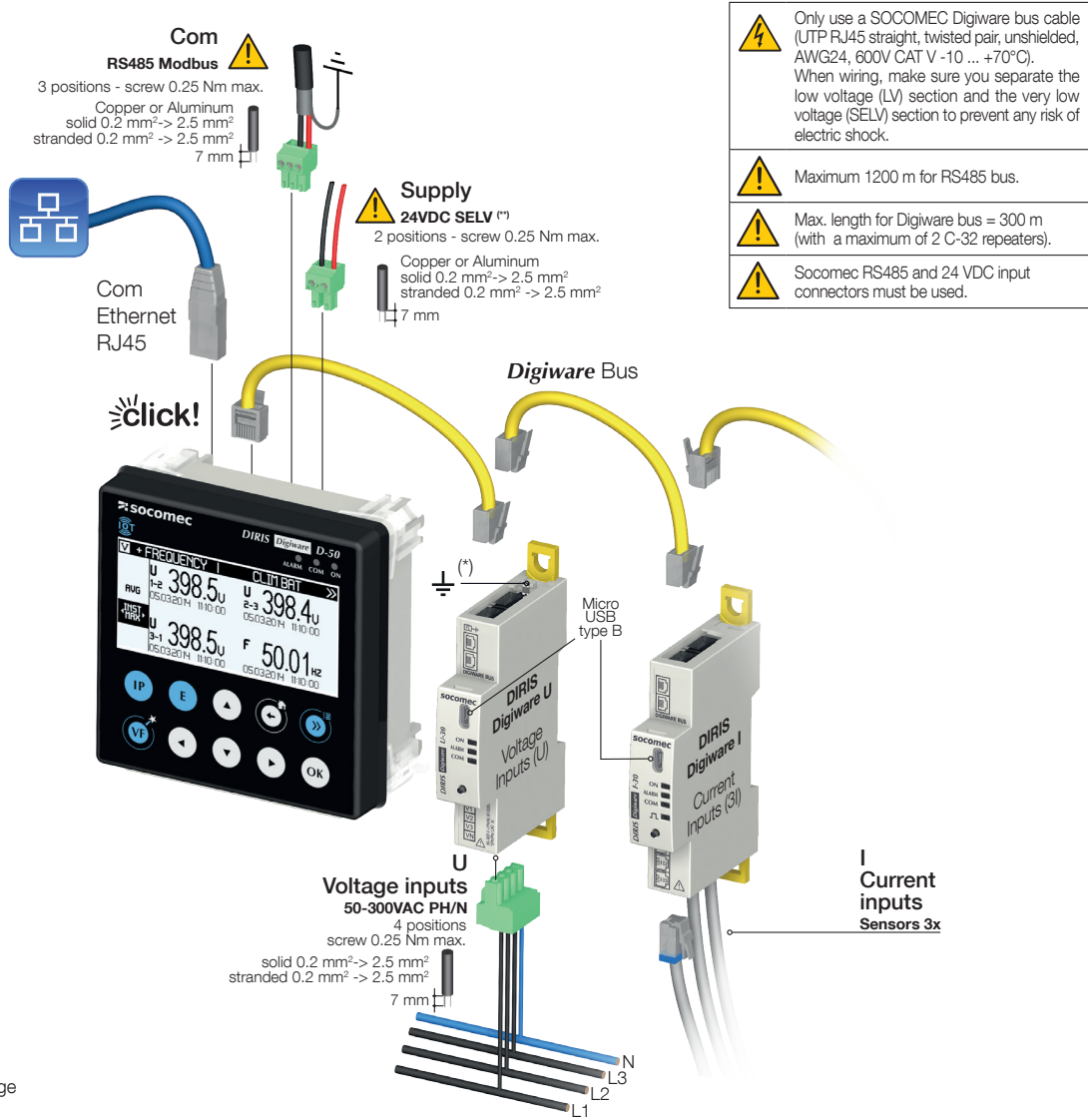
3

4

2



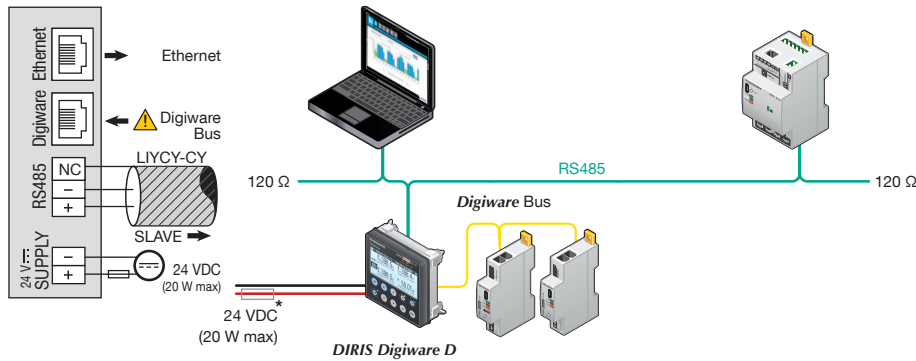
3 System wiring



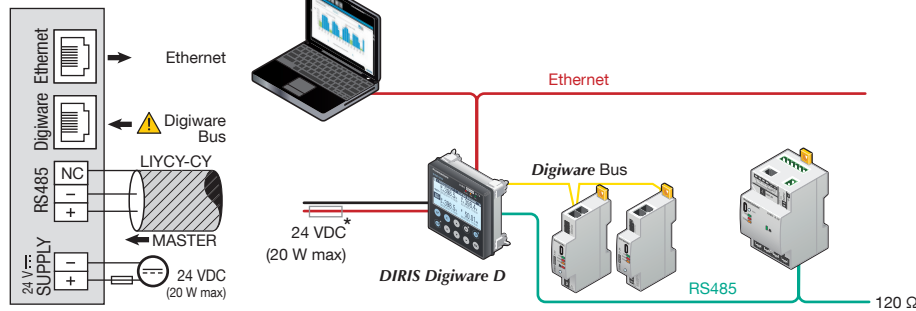
(*) Functional Earth
(**) SELV = Safety Extra Low Voltage

4 Communication diagrams

RS485 slave mode



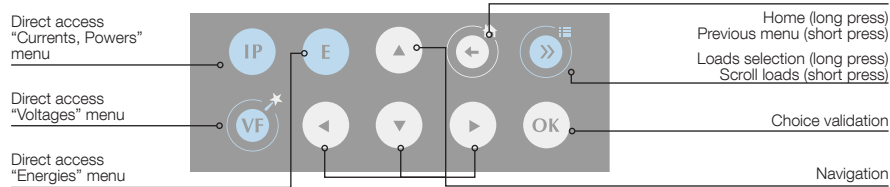
RS485 master mode



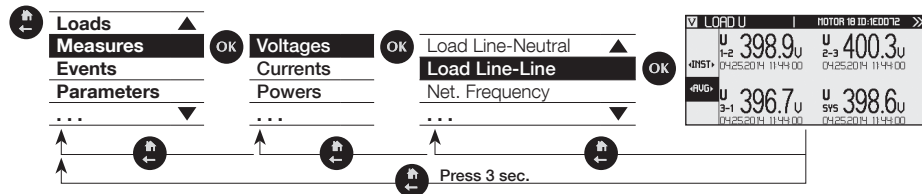
(*) If the 24 VDC power supply is not provided by Socomec, a 1 A / 24 VDC fuse must be used. For North America, the use of recognized fuses is mandatory. All inputs/outputs are considered as SELV (Safety Extra-Low Voltage).

5 Operating

Human Machine Interface



Navigation principle



Menu structure

Loads		
Measures	Voltages	Load Line-Neutral
		Load Line-Line
	Net. Frequency	
	Net. Line-Neutral	
	Net. Line-Neutral Unbalance	
	Net. Line-Neutral Harmonics	
	Net. Line-Neutral Crest Factor	
	Net. Line-Line	
	Net. Line-Line Unbalance	
	Net. Line-Line Harmonics	
Currents	Net. Line-Line Crest Factor	
	Currents	
Currents	Current System	
	Currents Unbalance	
Currents	Currents THD	
	Currents K Factor	
Currents	Currents Harmonics	
	Currents Crest Factor	
Powers	Active Powers	
	Reactive Powers	
Powers	Apparent Powers	
	Predictive Powers	
Powers	Power Factors	
	Cos Phi	
Energies	Tan Phi	
	Positive Active Energies	
Energies	Negative Active Energies	
	Positive Reactive Energies	
Energies	Negative Reactive Energies	
	Positive/Negative Reactive Lead/Lag Energies	
Energies	Apparent Energies	
	Pulse Meters	
Reset All Min/Max Values		
Input/Output	Digital Input	
	Digital Output	
	Analogue Input	
Protection		
Events	In Progress	
	History	Alarms
Parameters	Display	Quality
		Language
	Date format	
	RS485 communication: Mode (master/slave), Baudrate, Stop, Parity, Address	
	Ethernet communication: DHCP, IP Address, Mask, Gateway	
	Set remote Device Date/Time: Date format, Date separator	
	Change Password	
	Configure a Device	
	Autodetect Serial Devices	Status
		Found/Conflict
List Products	Digiware addressing range: Start address, End address, Addr. Set Method (Autoset or Push button)	
	Method: Fast or Full	
Add New Device	Type: RS485 / Digiware, IP	
Remove Device	Address	
Restore a product factory settings		
Products soft version		
Diagnosis	Ethernet	IP address
		Host name
	Serial Com	RS485 comm status
		Digiware comm status
	Network Time	Devices comm OK
		Devices comm NOK
	Email	Restart serial comm analysis
		SNTP
	FTP Client	Current Date/Time
		Last activity
Datalogger	SMTP	
About	IP address	Last activity
	MAC address	
	Serial number	
	Software version	
	Reboot	