

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	

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

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.



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

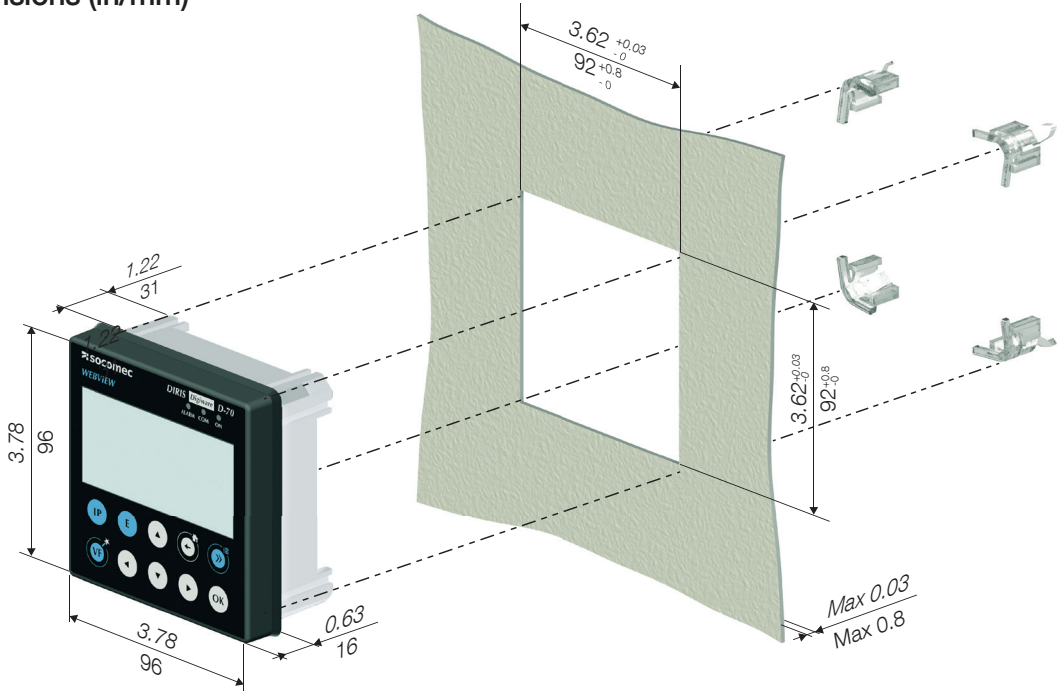


Multi-point display
DIRIS Digiware D-50
Ref. 48290204



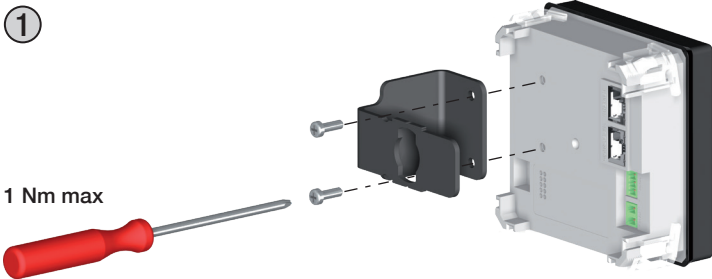
Multi-point display
with WEBVIEW-M
DIRIS Digiware D-70
Ref. 48290203

1 Dimensions (in/mm)



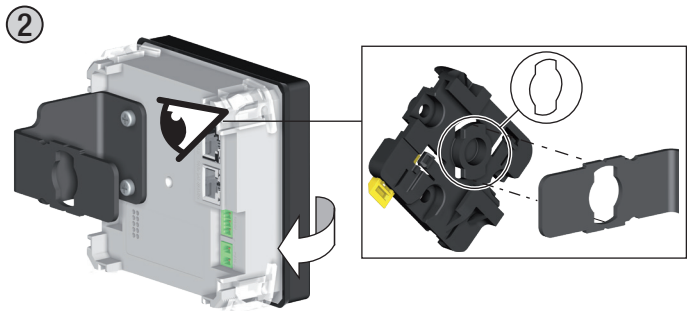
2 DIN rail mouting kit (separate part number: 48290230)

1

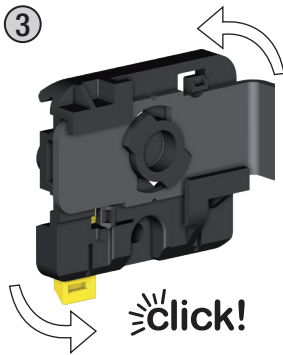


1 Nm max

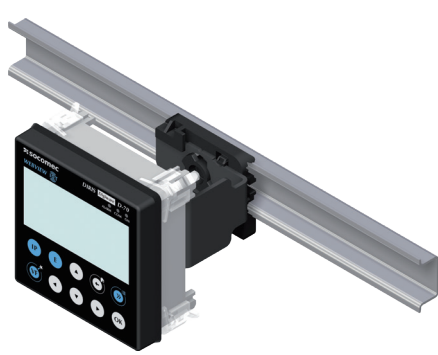
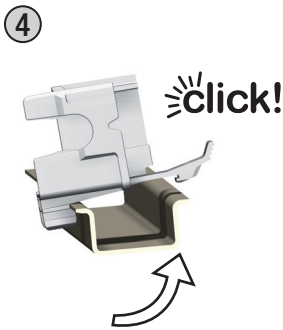
2



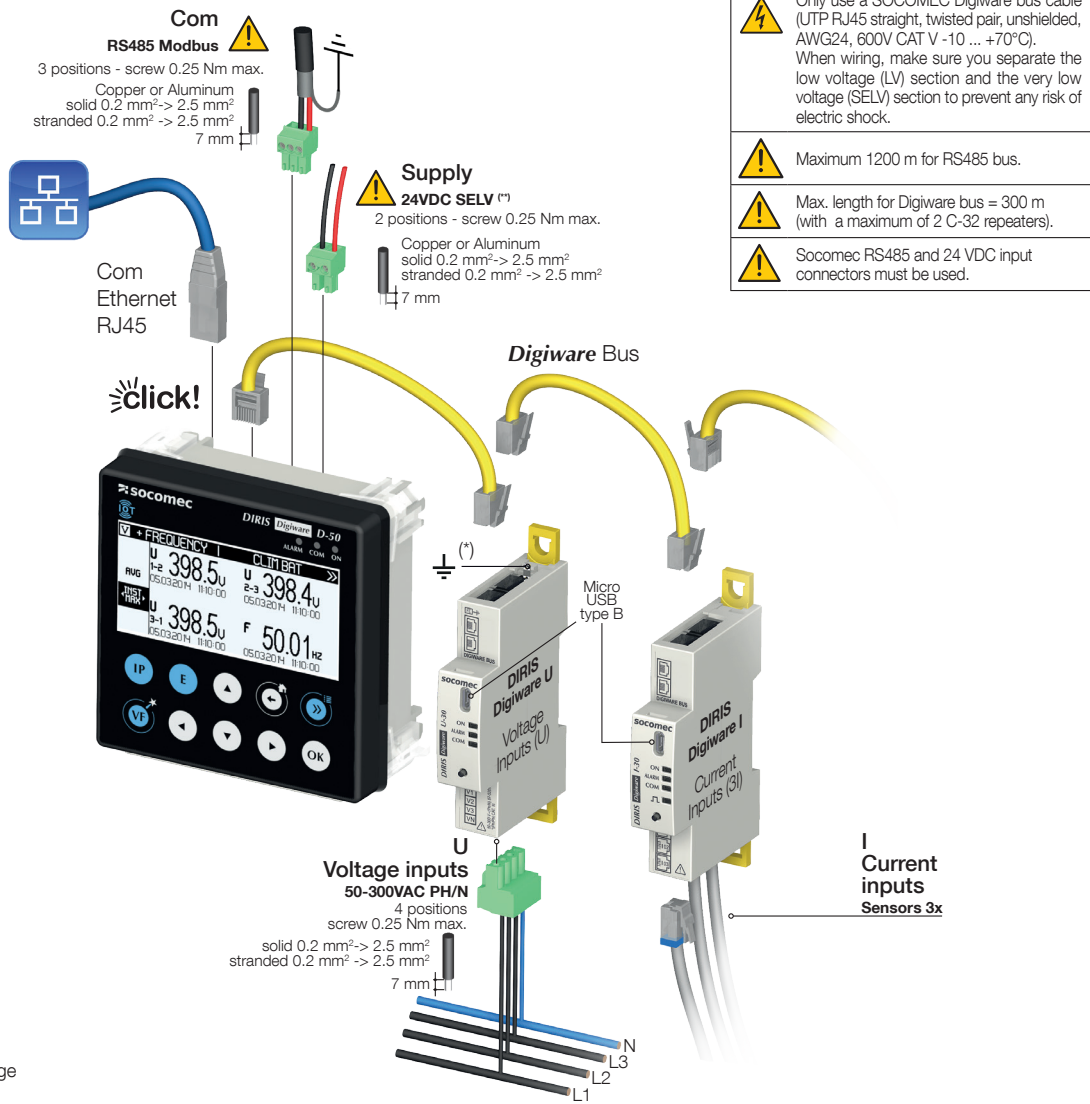
3



4



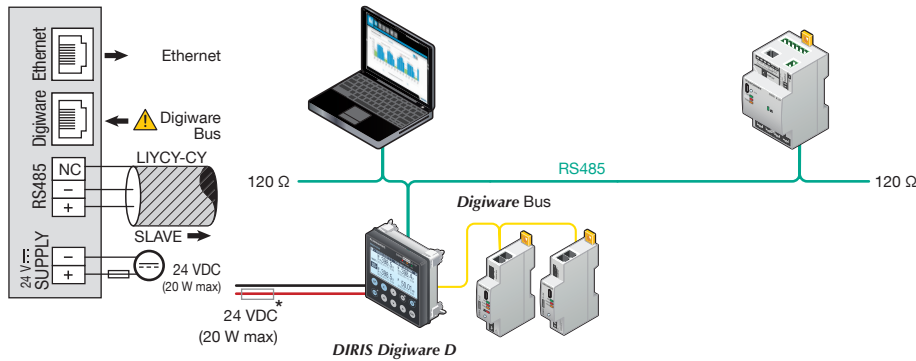
3 System wiring



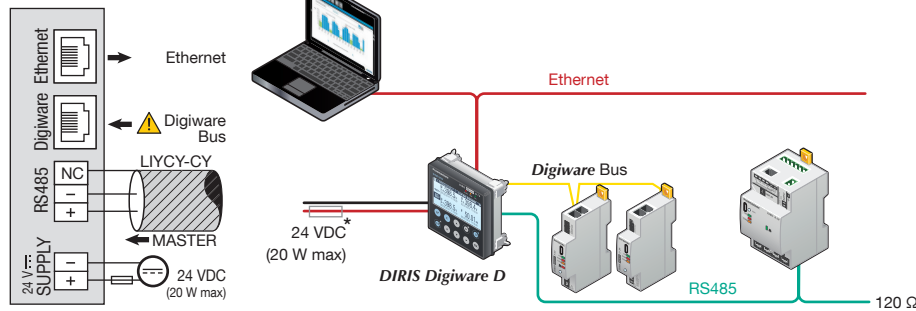
(*) Functional Earth
(**) SELV = Safety Extra Low Voltage

4 Communication diagrams

RS485 slave mode



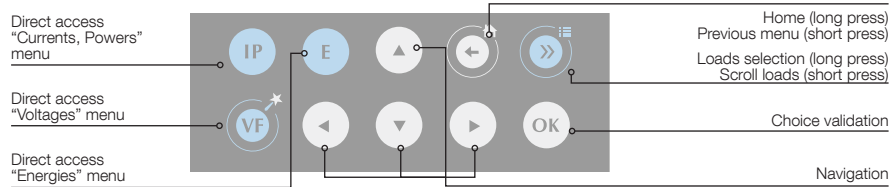
RS485 master mode



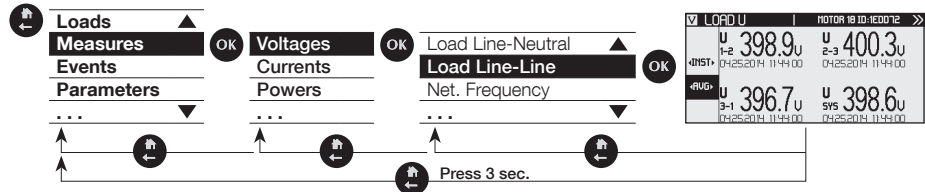
(*) If the 24 VDC power supply is not provided by Socomec, a 1 A / 24 VDC fuse must be used. For North America, the use of recognized fuses is mandatory. All inputs/outputs are considered as SELV (Safety Extra-Low Voltage).

5 Operating

Human Machine Interface



Navigation principle



Menu structure

Loads			
Measures	Voltages	Load Line-Neutral	
		Load Line-Line	
		Net. Frequency	
		Net. Line-Neutral	
	Currents	Net. Line-Neutral Unbalance	
		Net. Line-Neutral Harmonics	
		Net. Line-Neutral Crest Factor	
		Net. Line-Line	
	Powers	Net. Line-Line Unbalance	
		Net. Line-Line Harmonics	
Net. Line-Line Crest Factor			
Currents			
Energies	Current System		
	Currents Unbalance		
	Currents THD		
	Currents K Factor		
Pulse Meters	Currents Harmonics		
	Currents Crest Factor		
	Active Powers		
	Reactive Powers		
Reset All Min/Max Values		Apparent Powers	
Input/Output	Digital Input	Predictive Powers	
	Digital Output	Power Factors	
	Analogue Input	Cos Phi	
Protection			
Events	In Progress	Tan Phi	
	History	Positive Active Energies	
Parameters	Display	Negative Active Energies	
		Positive Reactive Energies	
		Negative Reactive Energies	
		Positive/Negative Reactive Lead/Lag Energies	
	Configure a Device	Apparent Energies	
	Autodetect Serial Devices		
	List Products		
	Add New Device		
	Remove Device		
	Restore a product factory settings		
Products soft version			
Diagnosis	Ethernet	IP address	
		Host name	
	Serial Com	RS485 comm status	
		Digiware comm status	
		Devices comm OK	
		Devices comm NOK	
	Network Time	Restart serial comm analysis	
		SNTP	
	Email	Current Date/Time	
		Last activity	
FTP Client	SMTP		
	Last activity		
Datalogger	FTP		
	Last activity		
	Consumptions		
About	IP address	Trends	
		MAC address	Alarms
		Serial number	
		Software version	
	Reboot		