

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.



DIRIS Digiware D-50 & D-70

Multi-point display - RS485 & Ethernet



Socomec Resource Center
To download, brochures, catalogues
and technical manuals

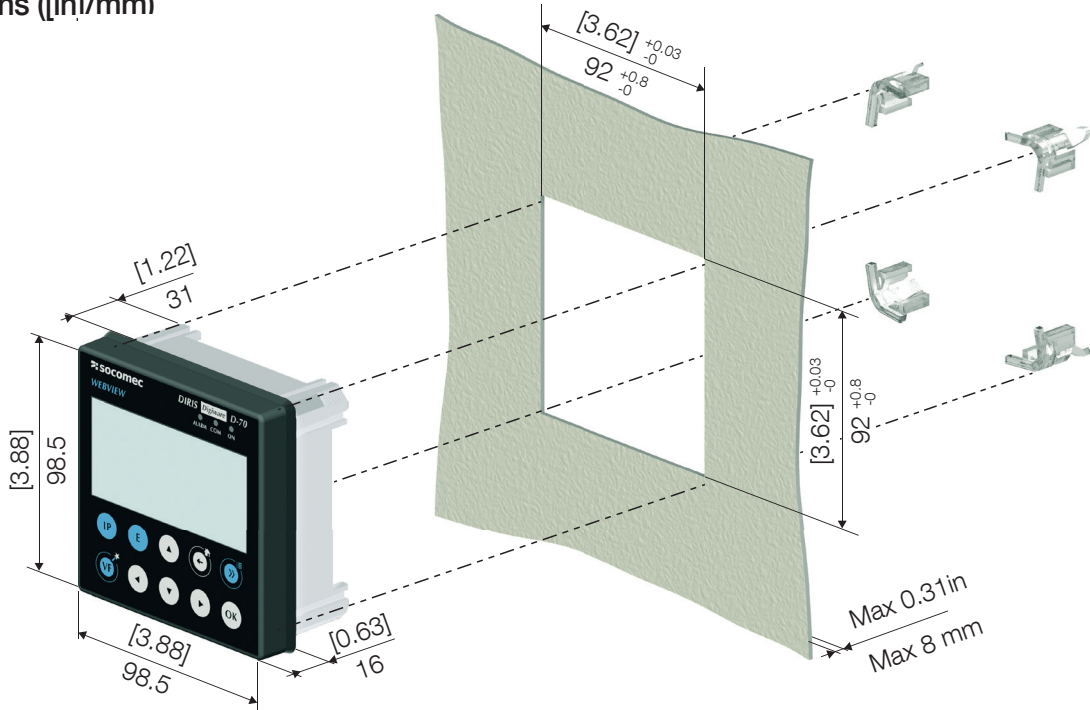


Multi-point display
DIRIS Digiware D-50
Ref. 48290204



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

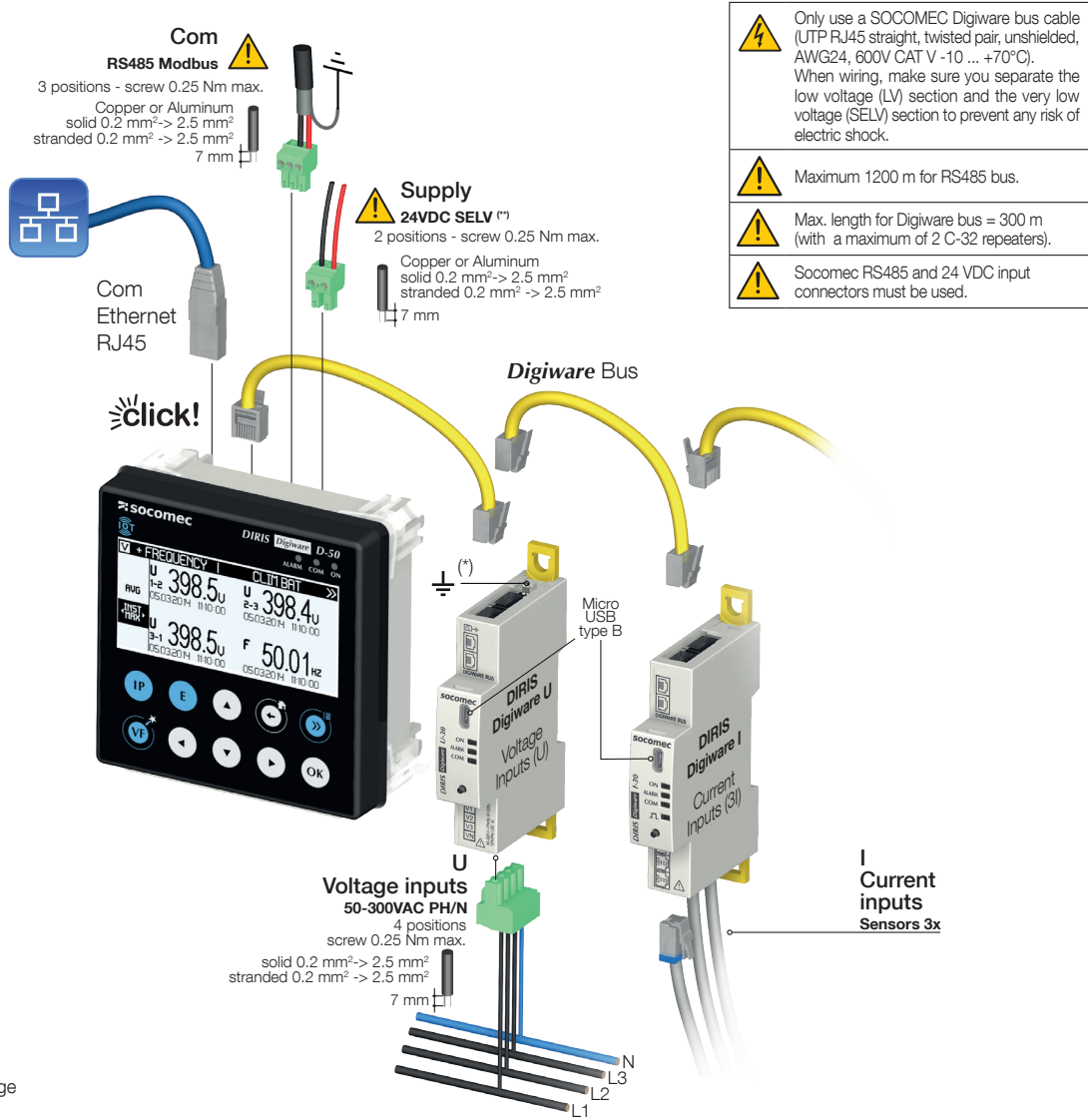
③

④

②



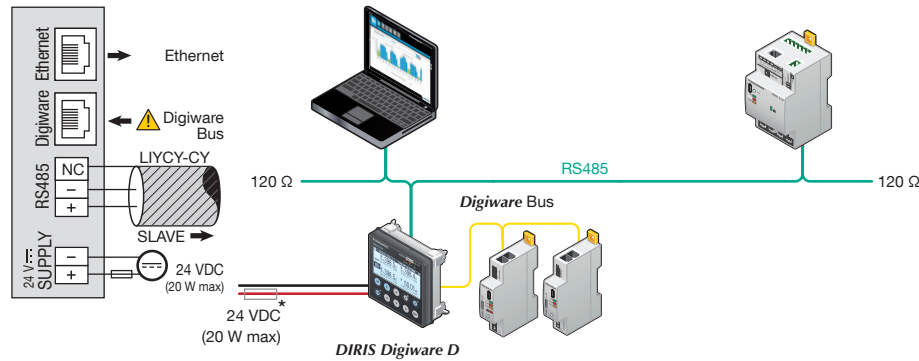
3 System wiring



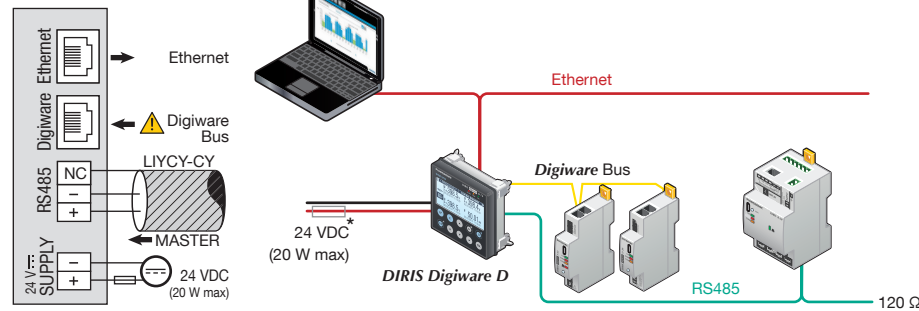
(*) Functional Earth
(**) SELV = Safety Extra Low Voltage

4 Communication diagrams

RS485 slave mode



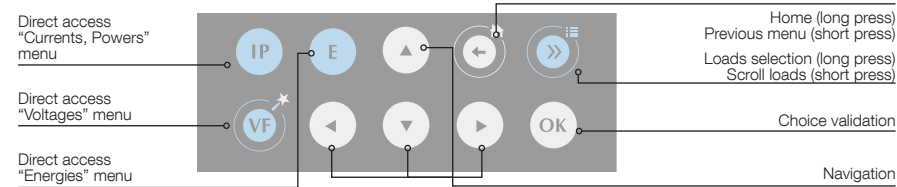
RS485 master mode



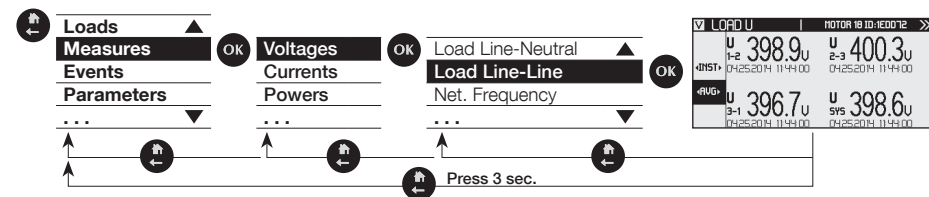
(*) If the 24 VDC power supply is not provided by Socomec, a 1 A / 24 VDC fuse must be used. For North America, the use of recognized fuses is mandatory. All inputs/outputs are considered as SELV (Safety Extra-Low Voltage).

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 Net. Line-Line Crest Factor
		Currents
		Current System Currents Unbalance Currents THD Currents K Factor Currents Harmonics Currents Crest Factor
		Powers
		Active Powers Reactive Powers Apparent Powers Predictive Powers Power Factors Cos Phi Tan Phi
	Energies	Positive Active Energies Negative Active Energies Positive Reactive Energies Negative Reactive Energies Positive/Negative Reactive Lead/Lag Energies Apparent Energies
		Pulse Meters
	Reset All Min/Max Values	
	Input/Output	Digital Input
		Digital Output
		Analogue Input
Protection		
Events	In Progress	
	History	
Parameters	Display	Alarms 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 Digiware addressing range: Start address, End address, Addr. Set Method (Autoset or Push button) Method: Fast or Full
		List Products
	Add New Device	Type: RS485 / Digiware, IP Address
		Remove Device
		Restore a product factory settings
		Products soft version
		IP address
Diagnosis	Ethernet	Host name RS485 comm status Digiware comm status Devices comm OK Devices comm NOK Restart serial comm analysis SNTP
		Network Time
		Current Date/Time Last activity
		SMTP
		Last activity
	FTP Client	FTP
		Last activity
	Datalogger	Consumptions Trends Alarms
About	IP address	
	MAC address	
	Serial number	
	Software version	
	Reboot	