

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		
✱ BLUETOOTH LOW ENERGY			
Use	Visualisation of data from Socomec Bluetooth sensors		
Operating frequency	2402 to 2480 MHz		
EIRP Power	EIRP Power for CE: 6.23 dBm (measured max average)		
Max. Power for FCC/IC	3.15 dBm		
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 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 the presence of an active "Expired password" alarm until all passwords are changed or until the alarm is disabled from the Easy Config System software.



QUICK START GUIDE



Multi-point display - RS485, ETHERNET & BLE
DIRIS Digiware D-50 & D-70



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

Please consult safety warning (ref. 546660) before installing the devices.

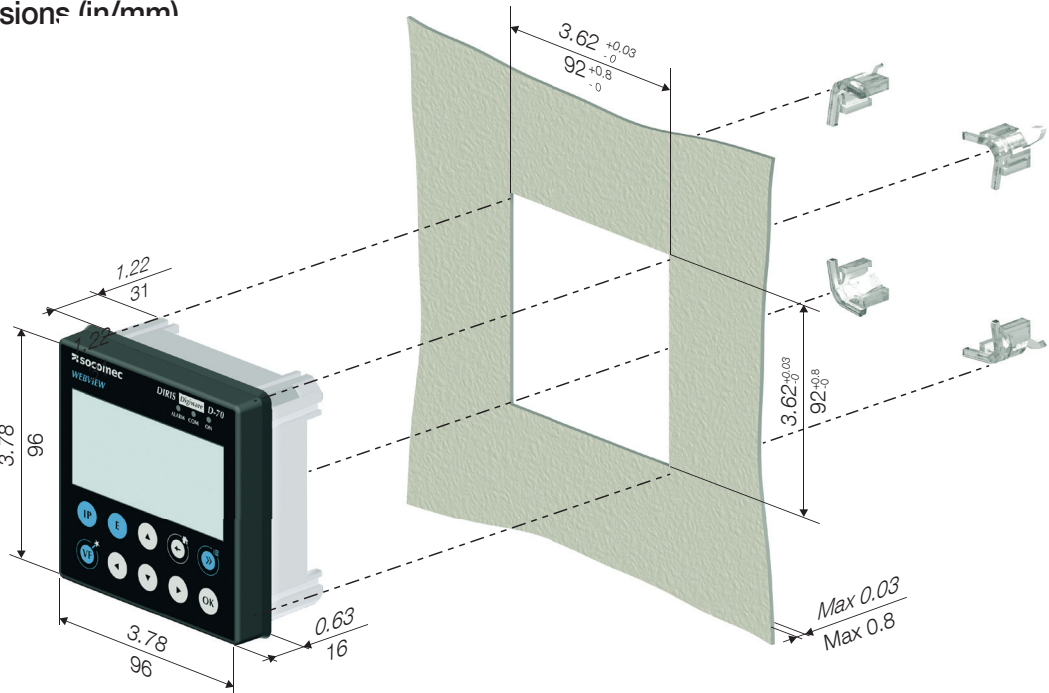


Multi-point display with Bluetooth Low Energy
DIRIS Digiware D-50 BLE
Ref. 48290206



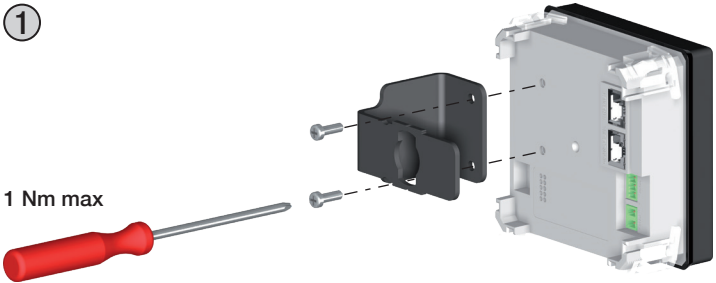
Multi-point display with WEBVIEW-M and Bluetooth Low Energy
DIRIS Digiware D-70 BLE
Ref. 48290207

1 Dimensions (in/mm)

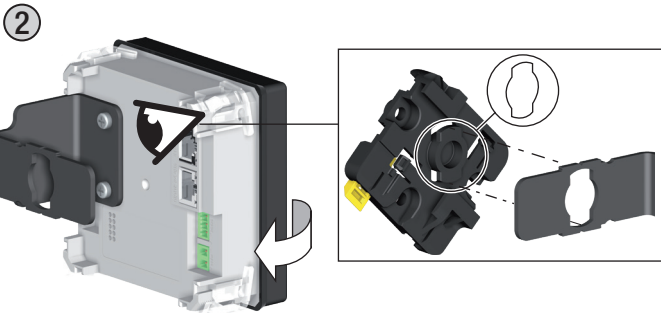


2 DIN rail mouting kit (separate part number: 48290230)

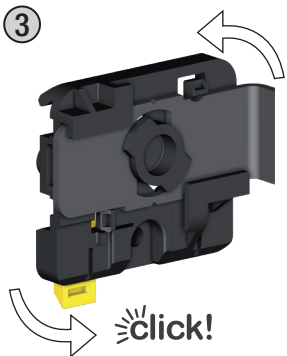
①



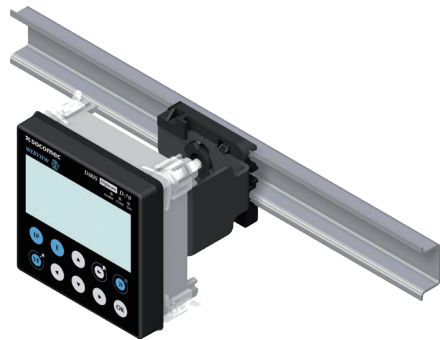
②



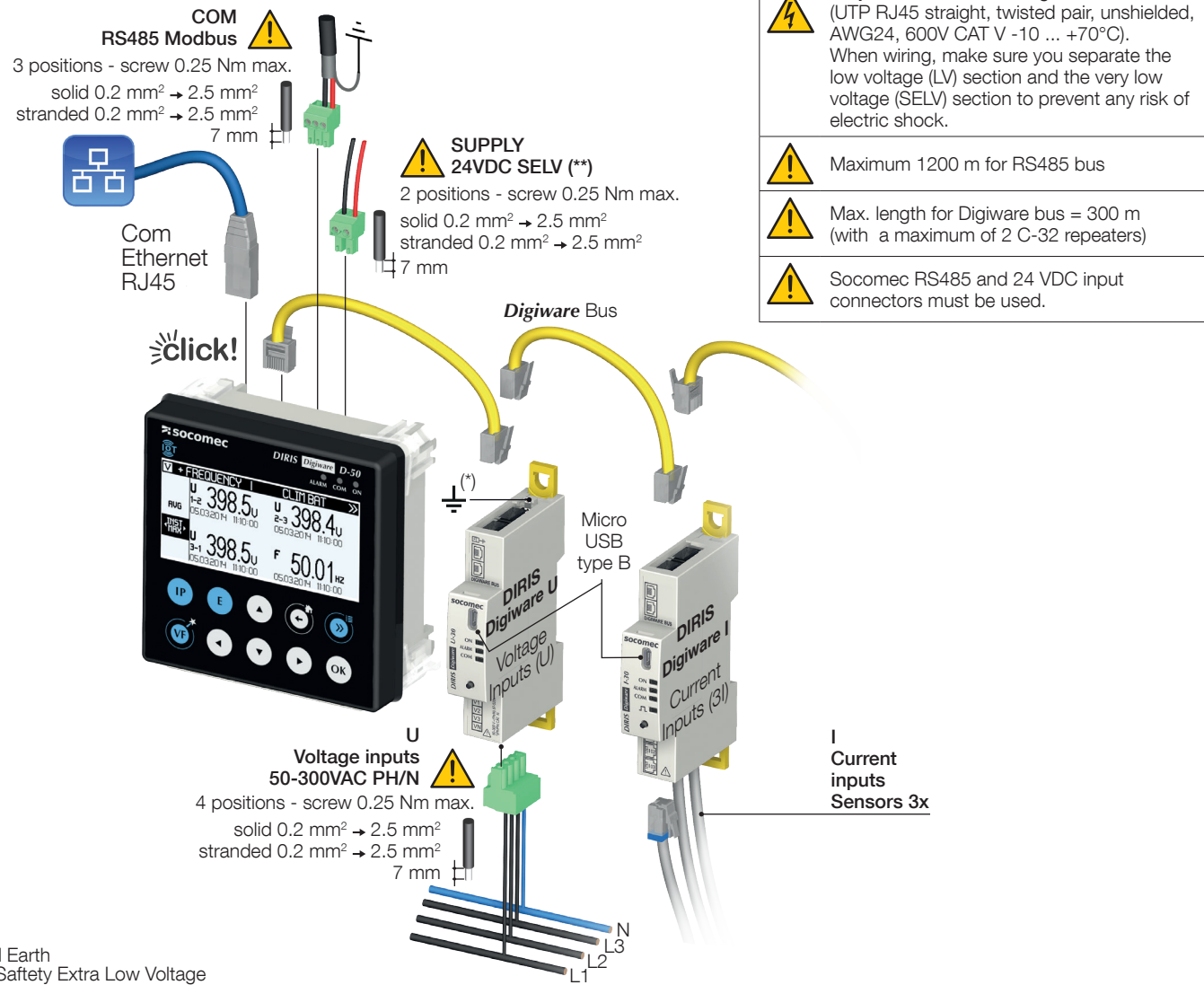
③



④



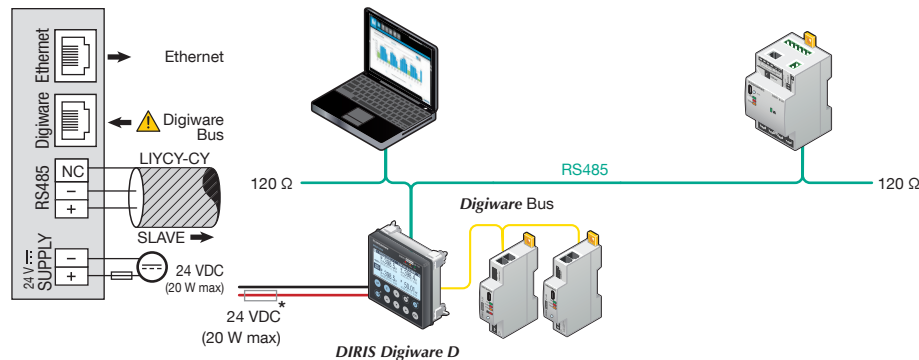
3 System wiring



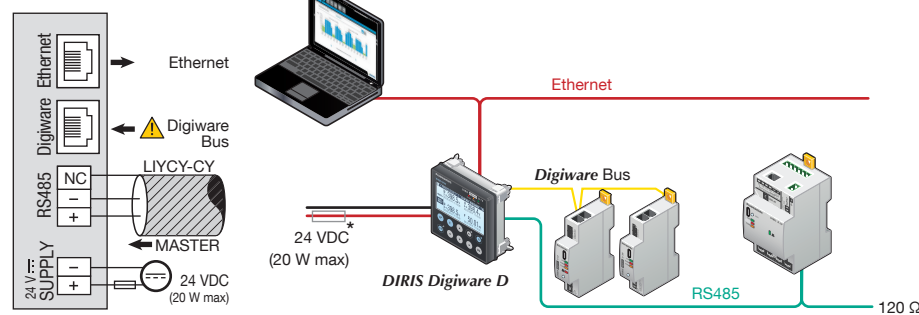
(*) Functional Earth
(**) SELV = Safety Extra Low Voltage

4 Communication diagrams

RS485 slave mode



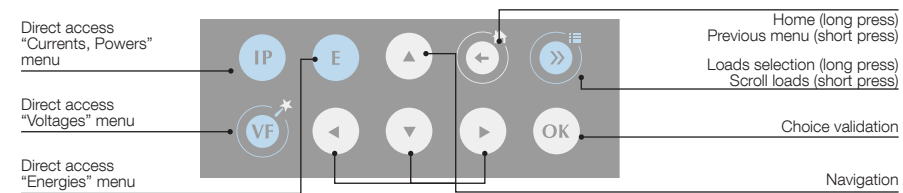
RS485 master mode



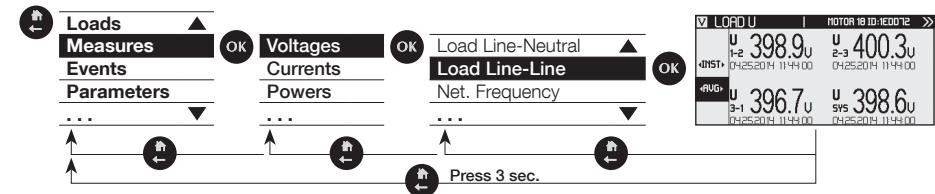
(*) If the 24 VDC power supply is not provided by Socomec, a 1 A / 24 VDC fuse must be used. For North America, the use of recognized fuses is mandatory.
All inputs/outputs are considered as SELV (Safety Extra-Low Voltage).

5 Operating

Human Machine Interface



Navigation principle



Menu structure

LOADS		
MEASURES	VOLTAGES	Load Line-Neutral Load Line-Line Net. Frequency Net. Line-Neutral 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	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 OUPUT	
	ANALOGUE INPUT	
PROTECTION		
EVENTS	IN PROGRESS	
	HISTORY	Alarms Quality
PARAMETERS	DISPLAY	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	
DIAGNOSIS	ETHERNET	IP address Host name
	SERIAL COM	RS485 comm status Digiware comm status Devices comm OK Devices comm NOK Restart serial comm analysis
	NETWORK TIME	SNTP Current Date/Time Last activity
	EMAIL	SMTP Last activity
	FTP CLIENT	FTP Last activity
	DATALOGGER	Consumptions Trends Alarms
ABOUT	IP ADDRESS	
	MAC ADDRESS	
	SERIAL NUMBER	
	SOFTWARE VERSION	
	REBOOT	