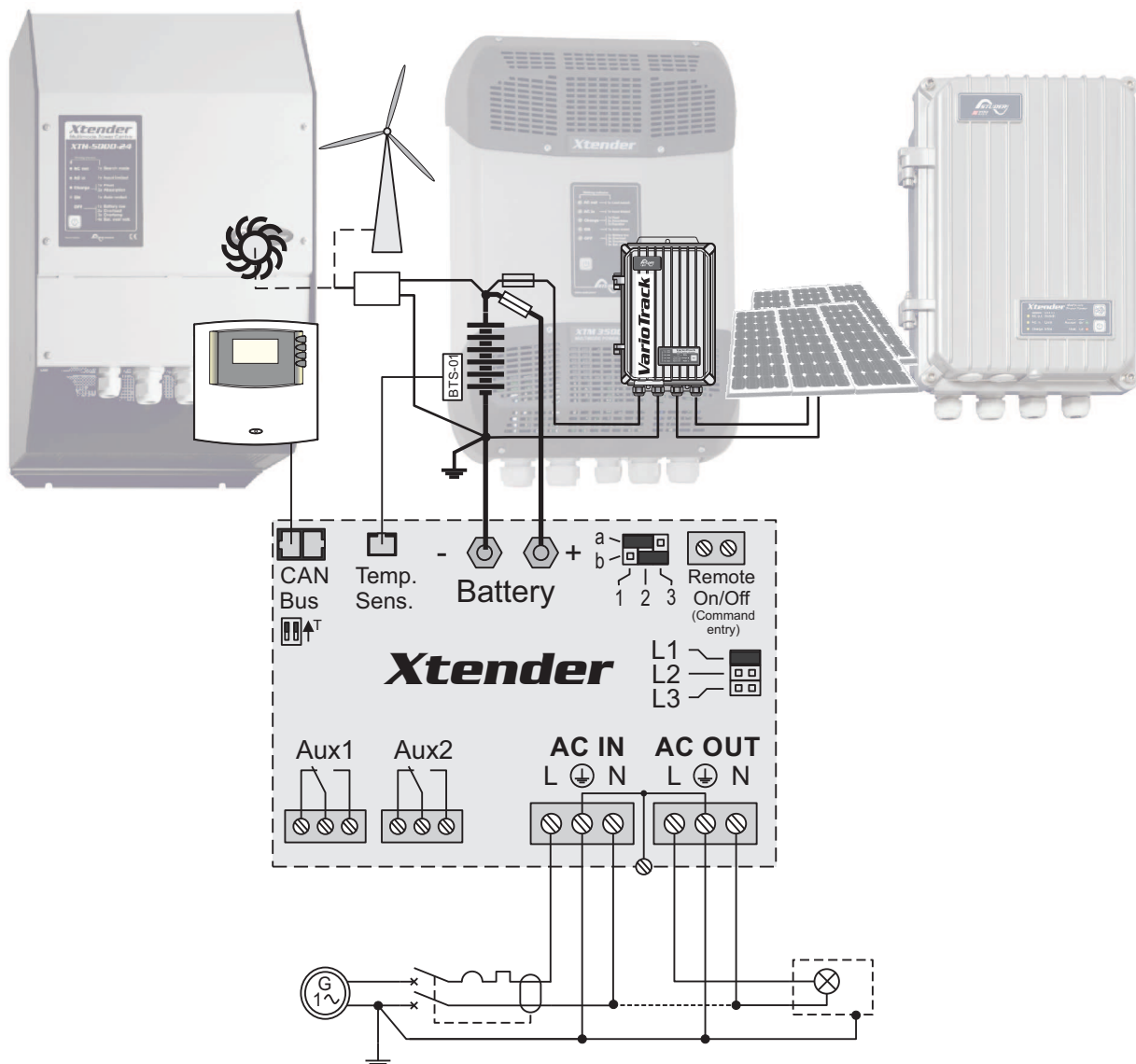


XTH 3000-12
XTH 5000-24
XTH 6000-48
XTH 8000-48

XTM 1500-12
XTM 2000-12
XTM 2400-24
XTM 3500-24
XTM 2600-48
XTM 4000-48

XTS 900-12
XTS 1200-24
XTS 1400-48



This appendix is part of the installation and user manual
Cette annexe fait partie intégrante du manuel d'utilisation
Dieser Anhang ist ein wesentlicher Bestandteil des Betriebsanleitung
Este anexo es parte integrante del manual de utilización

NOTE IMPORTANTE

Cette annexe au manuel est commune à toutes les langues et doit être conservée avec le manuel de la langue de votre choix.

Pour la bonne compréhension de ce document, vous devez vous référer aux commentaires des éléments référencés par des lettres ou des chiffres dans les chapitres suivants du manuel :

Référence :	chap.	commentaires
Figures	16	Commentaire des figures de l'annexe
Lettres minuscules	17	Éléments des figures (partie DC)
Lettres majuscules	18	Éléments des figures (partie AC)
Chiffres 1 à 22	3.6.4	Descriptif des éléments du compartiment de câblage
Chiffres 25 à 29	19	Dimension mécanique et éléments de montage
Chiffres 30 à 40	20	Éléments de l'étiquette d'identification

IMPORTANT NOTE :

This appendix to the manual is common to all languages and must be kept with the manual of your choice.

For the good understanding of this document, you should refer to the comments about elements referenced by letters or numbers in the chapters of the manual mentioned in the below table:

Reference :	Sect.	Comments
Figures	16	Comments to drawings (Figures)
Lower-case characters	17	Drawing elements (DC side)
Upper-case characters	18	Drawing elements (AC side)
Number 1 to 22	3.6.4	Elements of the connection compartments
Number 25 to 29	19	Mechanical dimension and mounting elements
Number 30 to 40	20	Identification plate

WICHTIGE ANMERKUNG :

Dieser Anhang zum Bedienerhandbuch ist für alle Sprachen identisch und muss mit dem entsprechenden Bedienerhandbuch aufbewahrt werden.

Für ein gutes Verständnis dieses Dokuments halten Sie sich an die folgenden Kapitel des Bedienerhandbuchs :

Referenz :	kap.	Kommentare
Figuren	16	Beschreibung zu den Abbildungen im Anhang
Alphabetische Kleinbuchstaben	17	Abbildungskomponenten (Teil DC)
Alphabetische Grossbuchstaben	18	Abbildungskomponenten (Teil AC)
Nummer 1 bis 22	3.6.4	Elemente des Kabelanschlussfach
Nummer 25 bis 29	19	Abmessungen und Montageelemente
Nummer 30 bis 40	20	Einträge auf dem Typenschild

NOTA IMPORTANTE:

Este anexo al manual es común a todos los idiomas y debe conservarse con el manual del idioma que ha elegido.

Para la buena comprensión de este documento, debe referirse a los capítulos siguientes del manual:

Référence :	cap.	comentarios
Esquemas (fig.)	16	Comentarios de las figuras del anexo
Caracteres en minúscula	17	Elementos de figuras (parte DC)
Caracteres en mayúscula	18	Elementos de figuras (parte AC)
Cifras 1 a 22	3.6.4	Descripción de los elementos del compartimento de cableado del equipo
Cifras 25 a 29	19	Dimensiones mecánicas y elementos de montaje
Cifras 30 a 40	20	Elementos de la etiqueta de identificación

Fig. 1a

Model and
specification tag

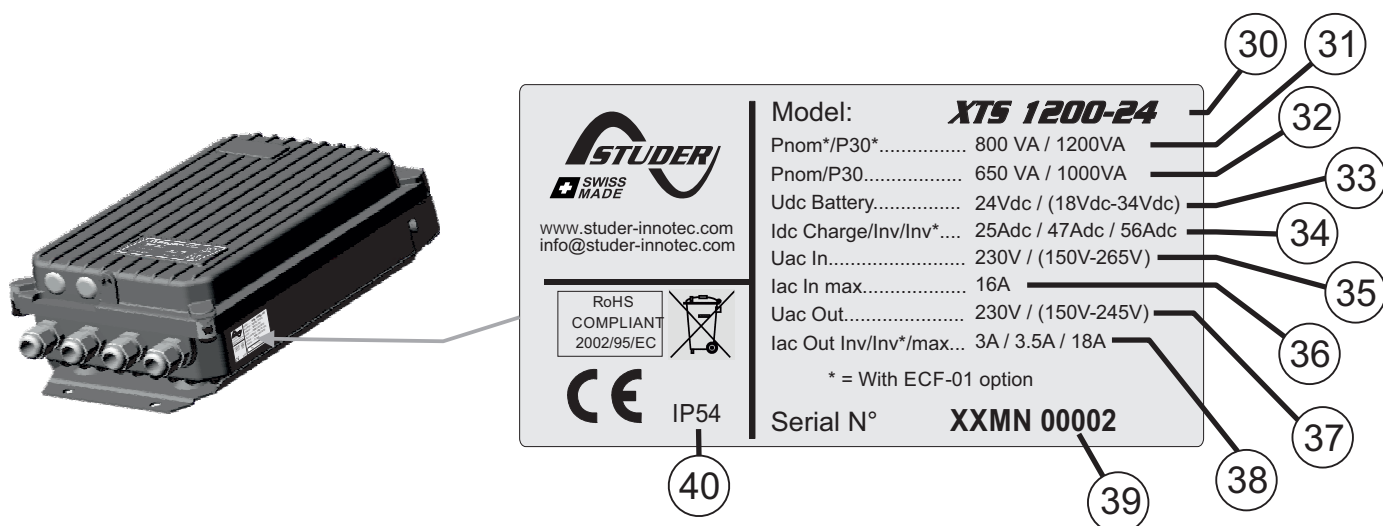
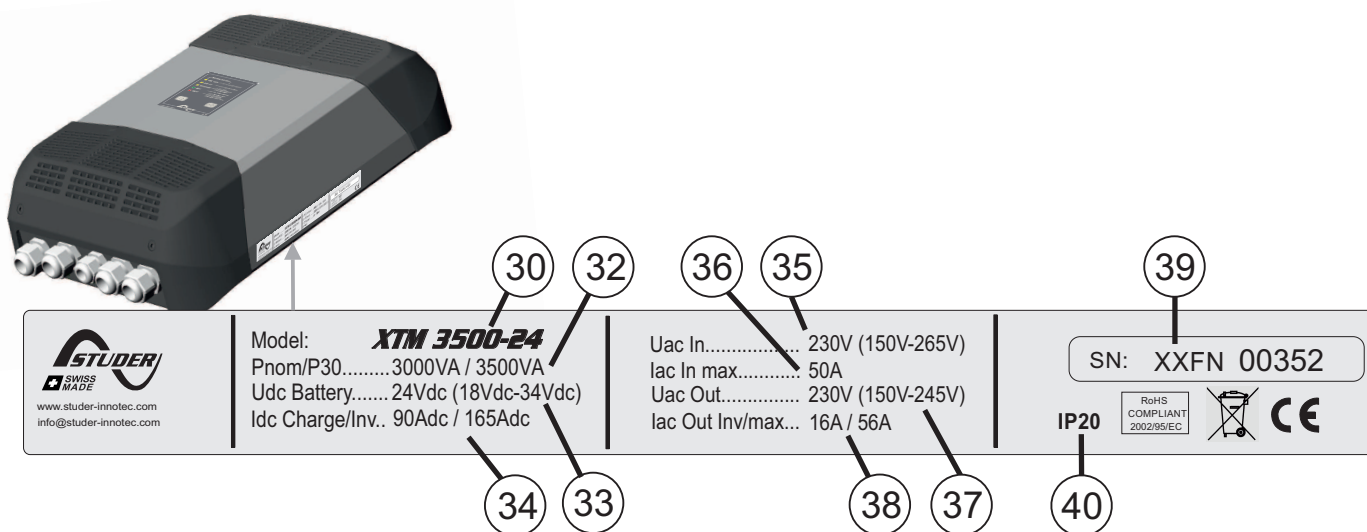
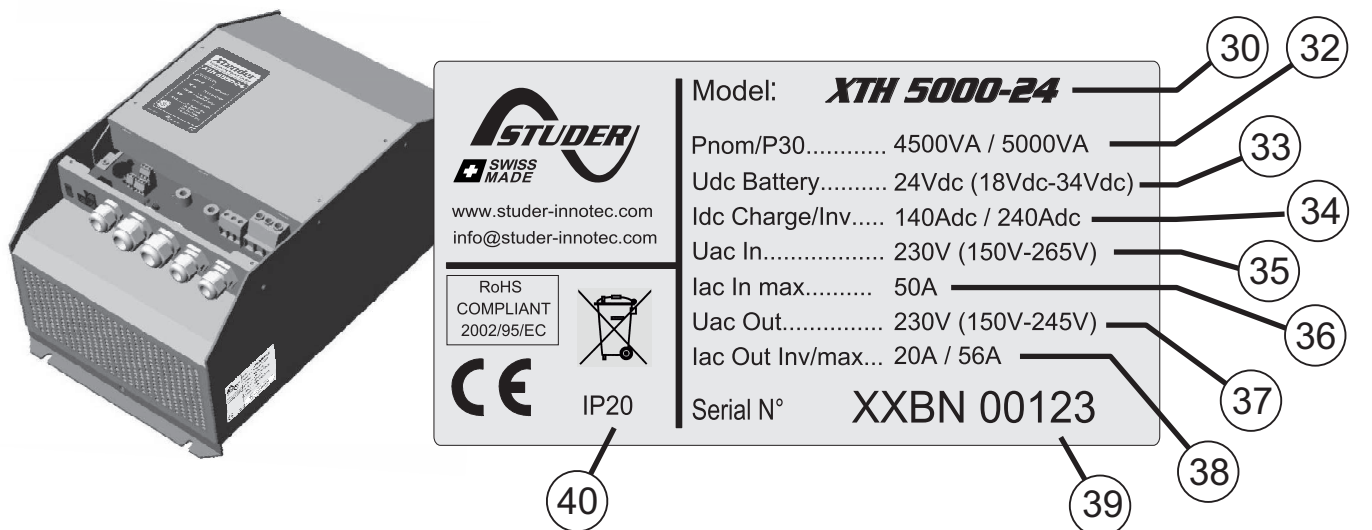


Fig. 2a

Dimension, clearance and affixing

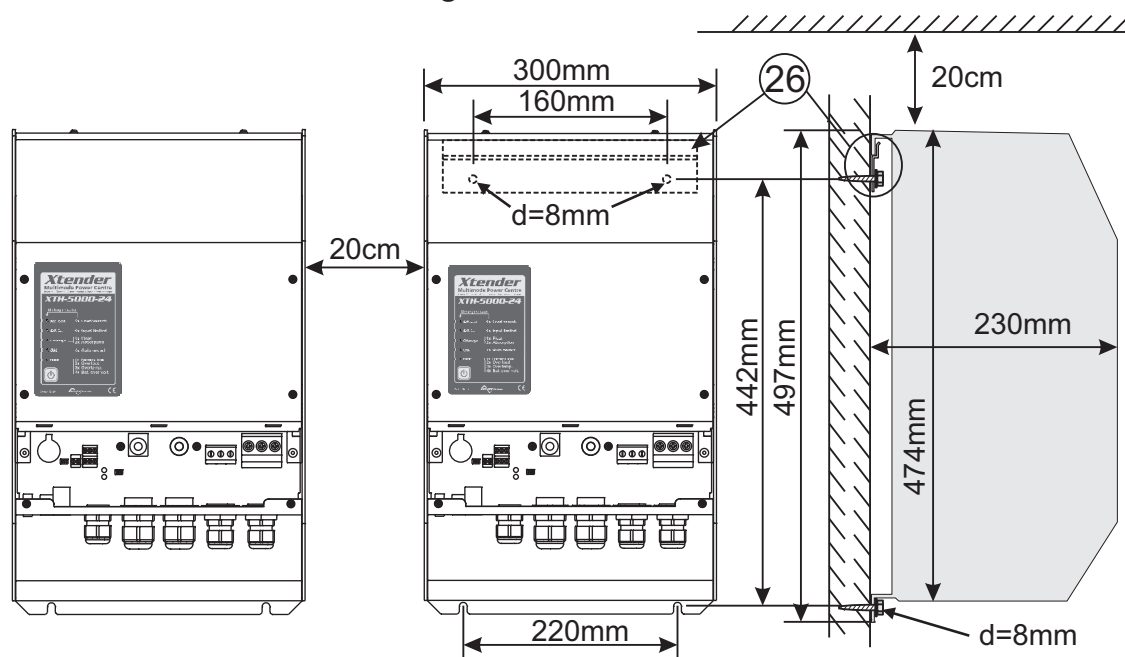
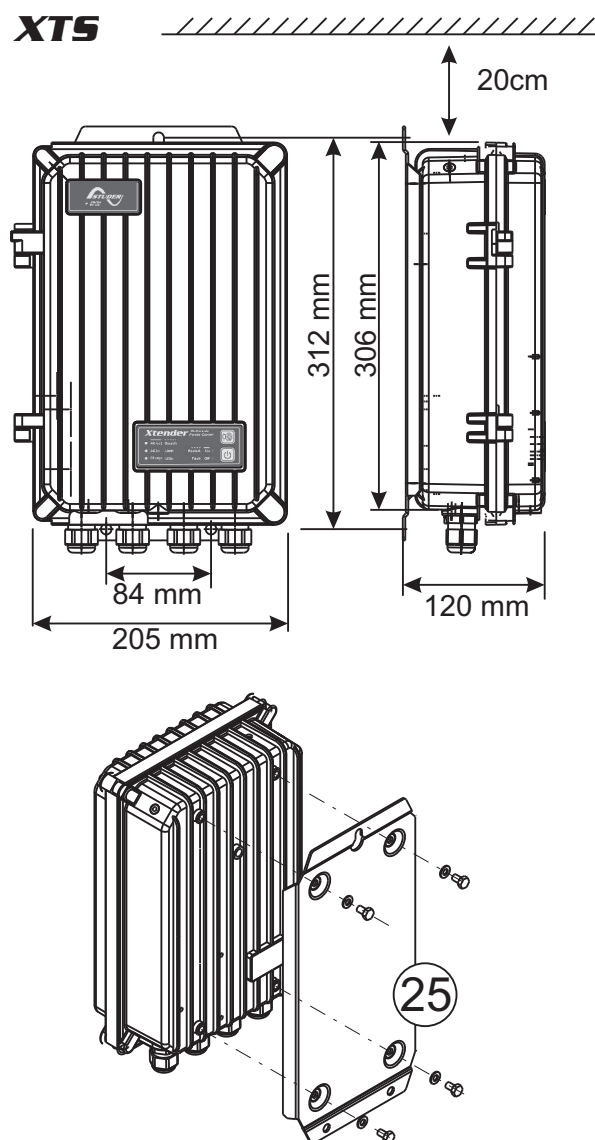
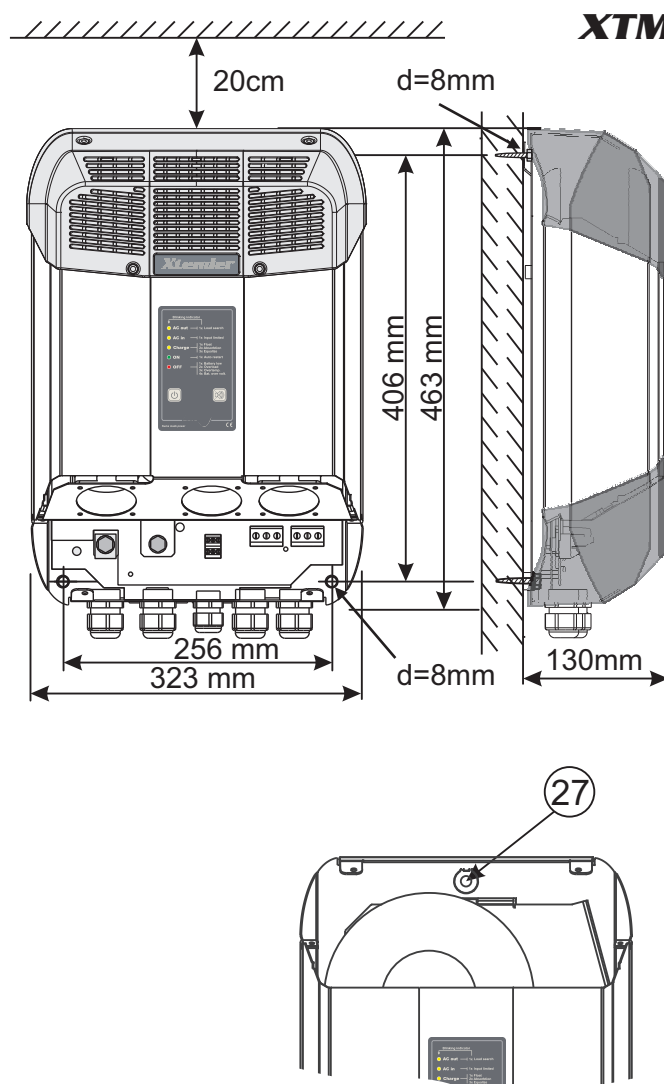
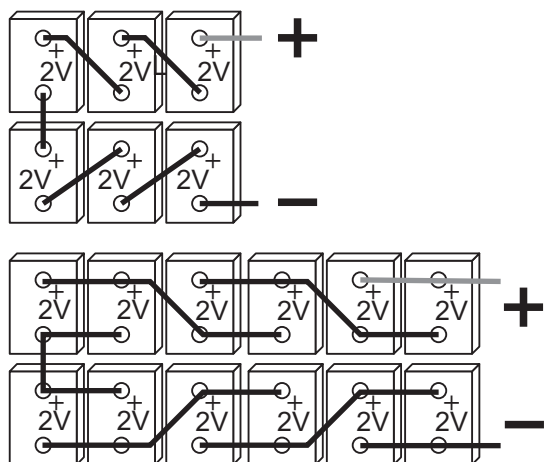
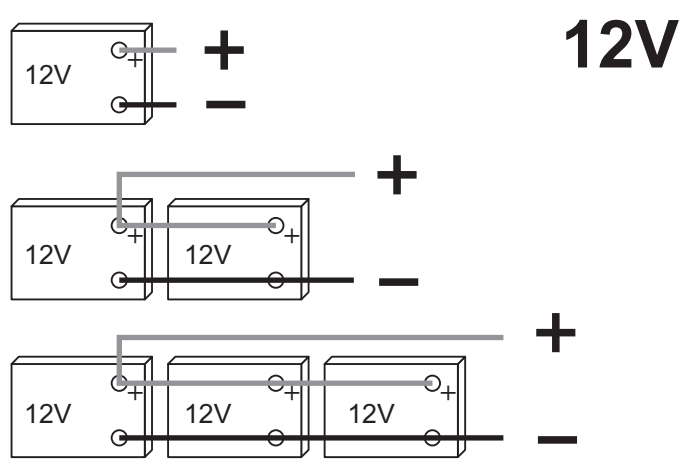
XTH**XTS****XTM**

Fig. 5a

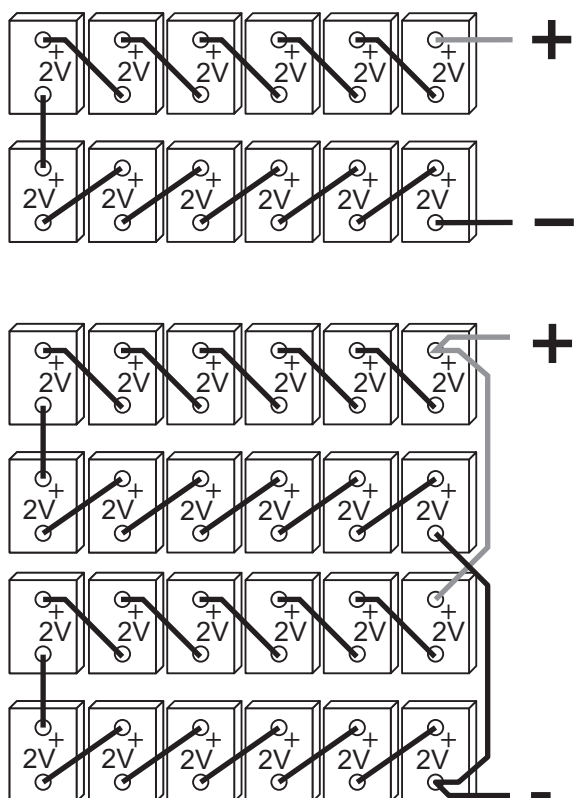
12V battery bank wiring
with 2Vcell in series and
parallel+series

**Fig. 5b**

12V battery bank
wiring with single and
parallel 12Vcell

**Fig. 5c**

24V battery bank wiring
with 2Vcell in serie and
parallel+series

**Fig. 5e**

24V battery bank
wiring with series and
series/parallel 12Vcell

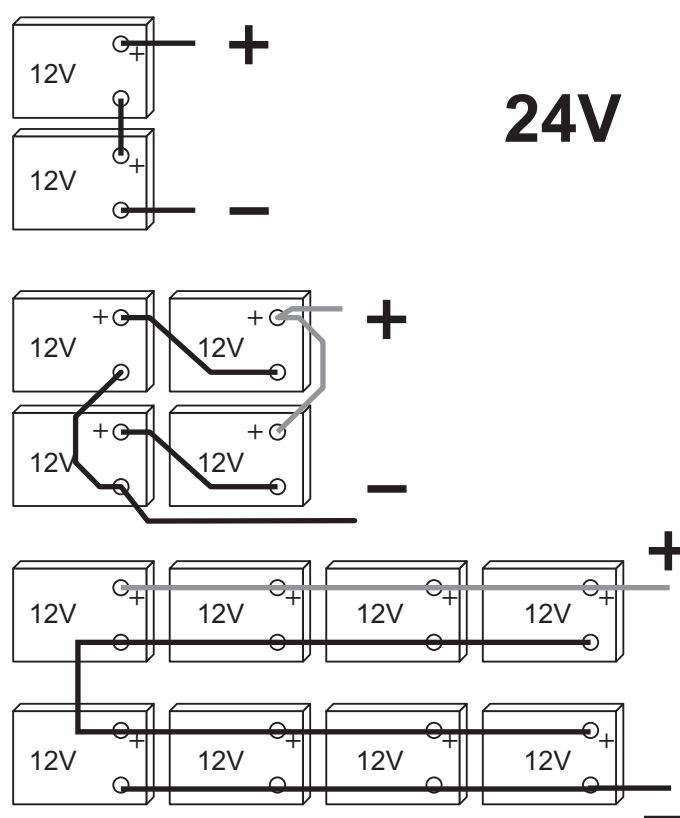


Fig. 6a 48V battery bank wiring with series/parallel 12Vcells

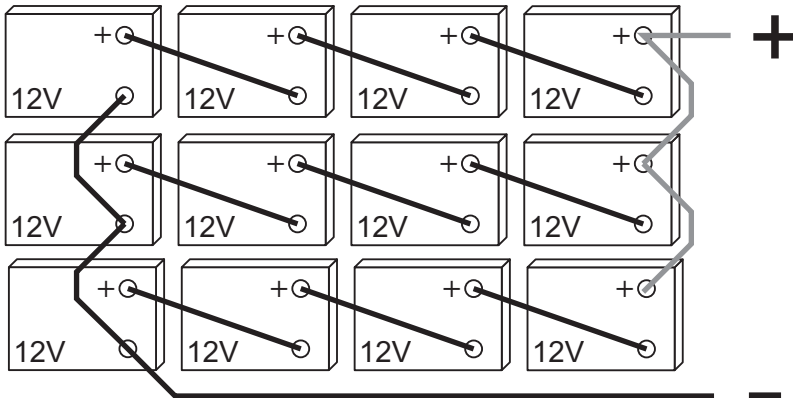


Fig. 6b

48V battery bank wiring with series 12Vcells

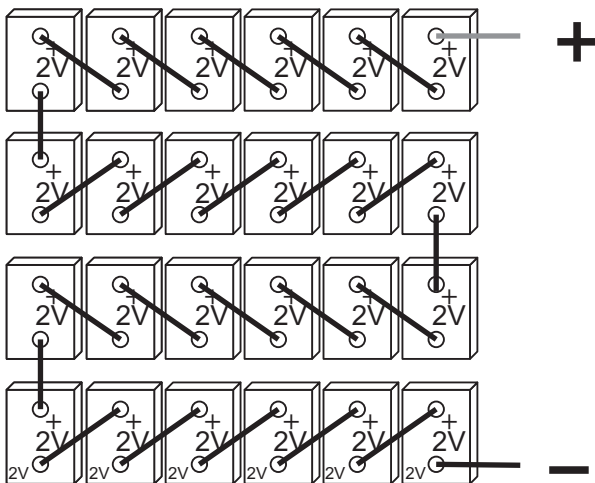
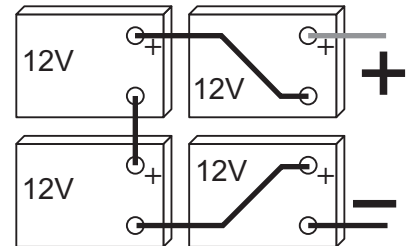
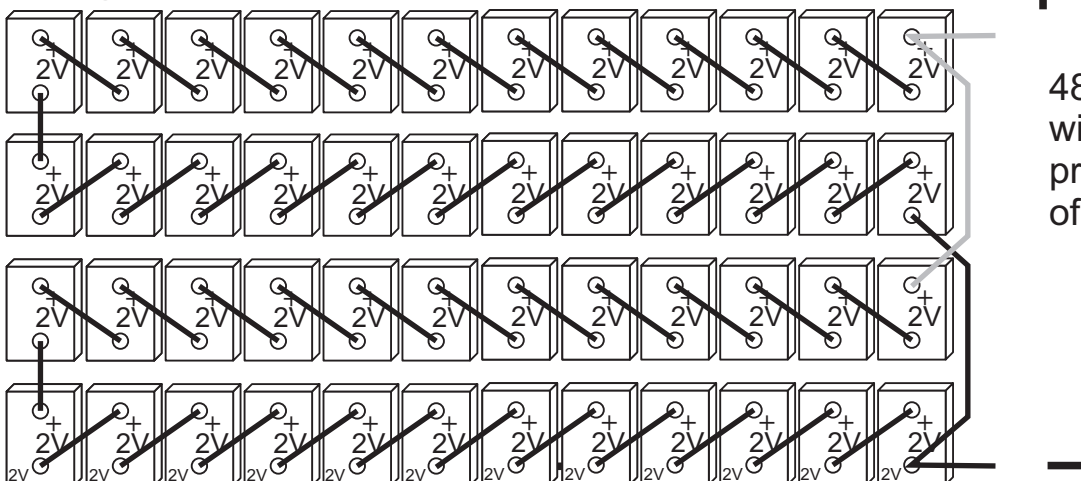


Fig. 6c

48V battery bank wiring with 24 x 2Vcells in series

Fig. 6d



48V battery bank wiring with 2 paralleled strings of 24 x 2V cells

Fig. 7a

Xtender XTS principle and equivalent schematic

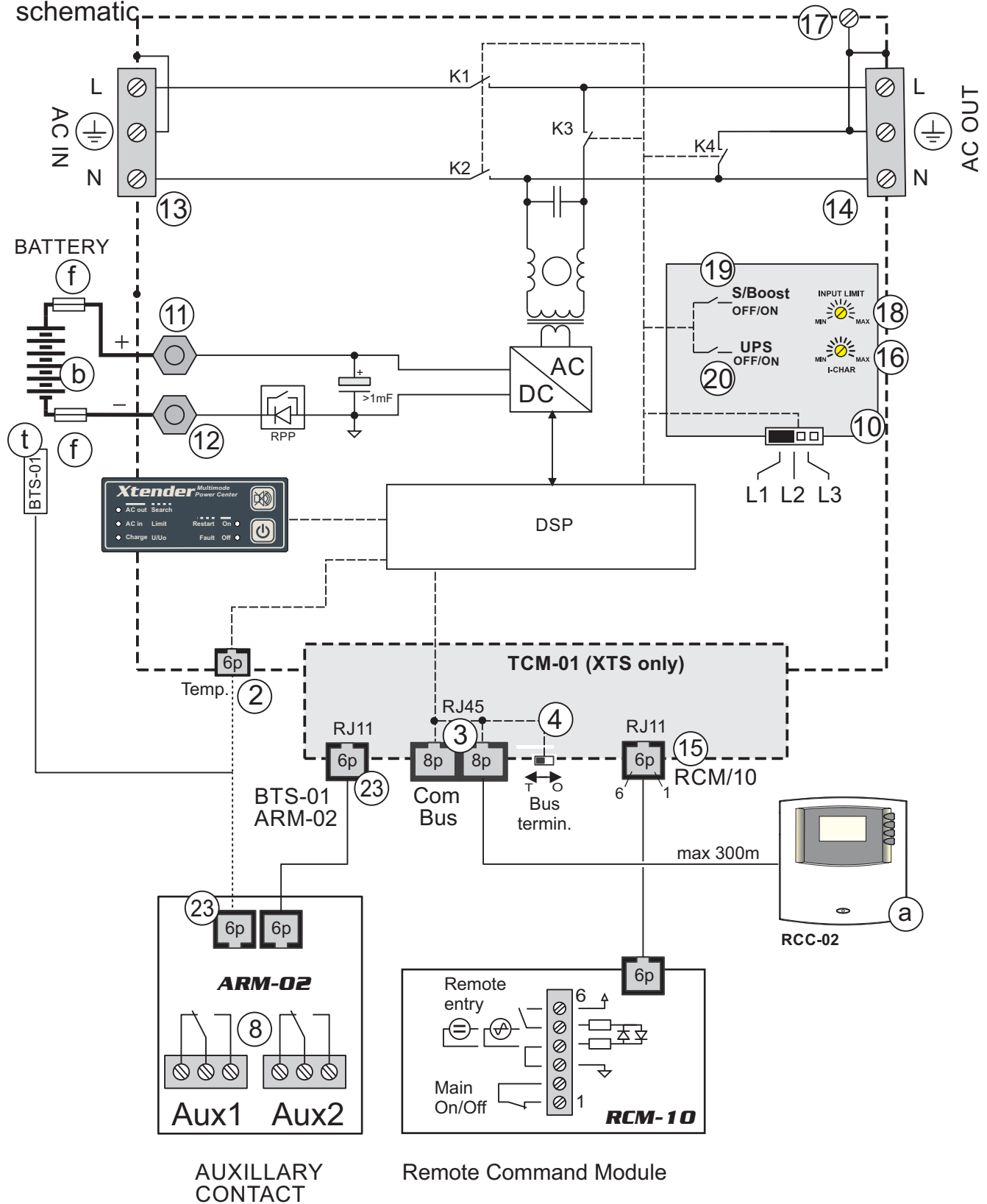


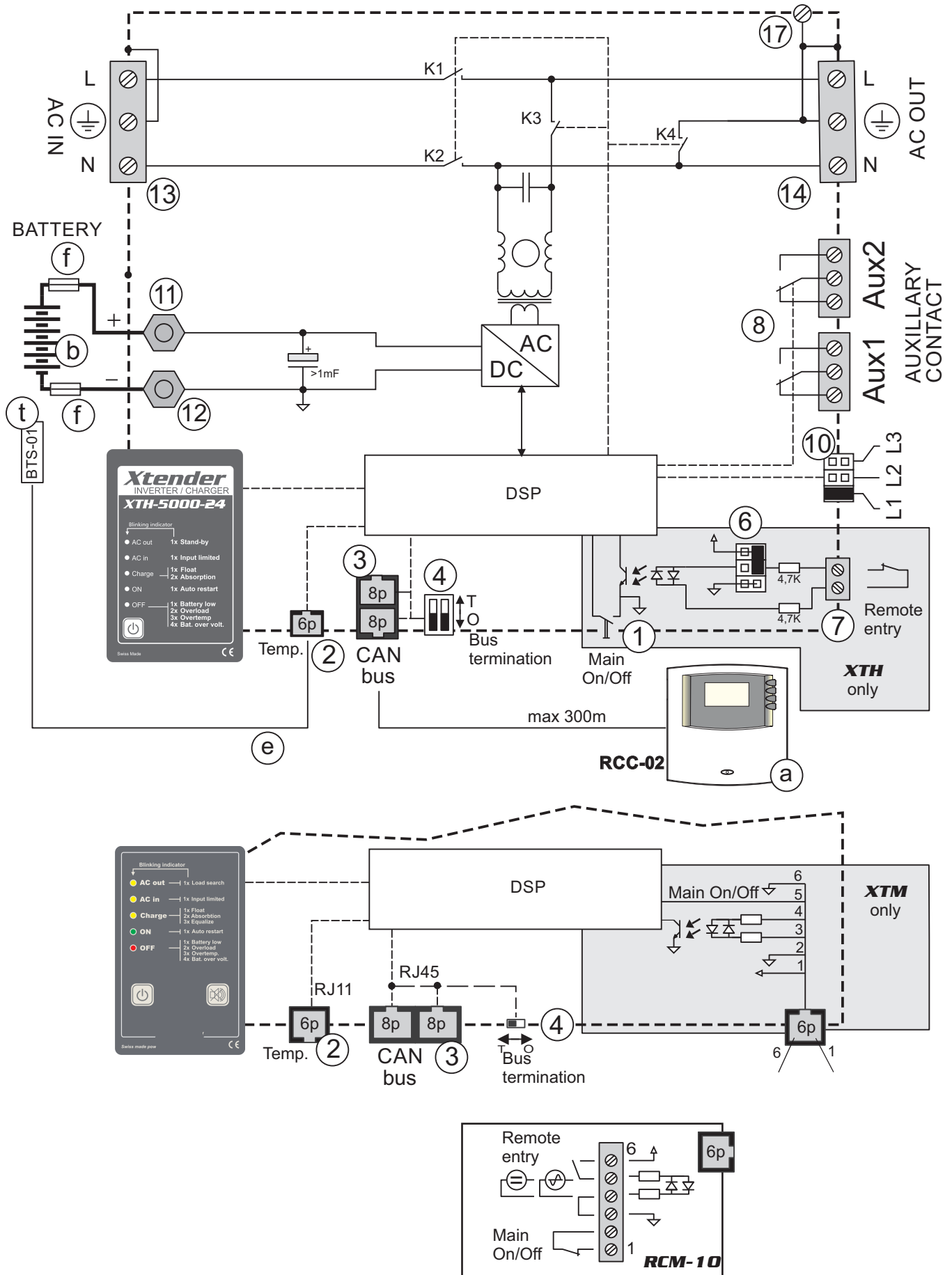
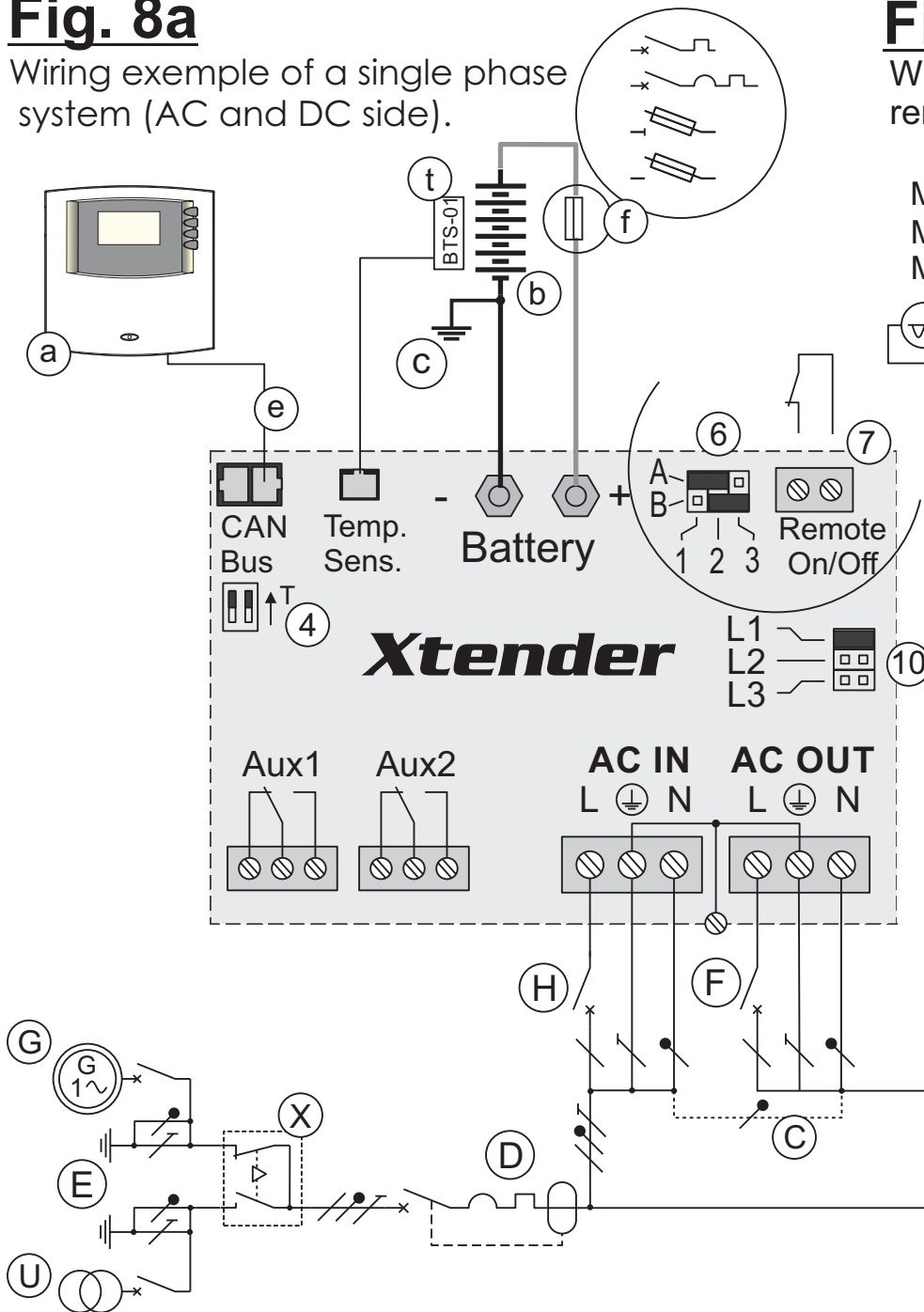
Fig. 7b Xtender principle and equivalent schematic **XTH / XTM**

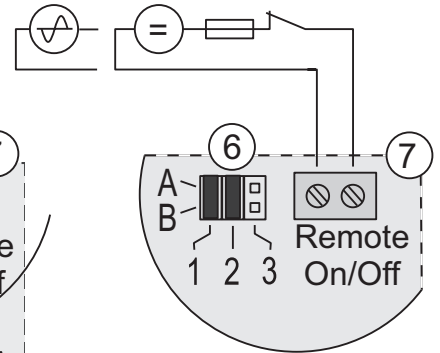
Fig. 8a

Wiring exemple of a single phase system (AC and DC side).

**Fig. 8b**

Wiring variants for remote control ON/OFF

Max.length:5m.
Max.U: 60 V_{eff}
Max. I < 30mA

**Fig.8c**

Wiring exemple of a three-phase in/single phase out system (AC)

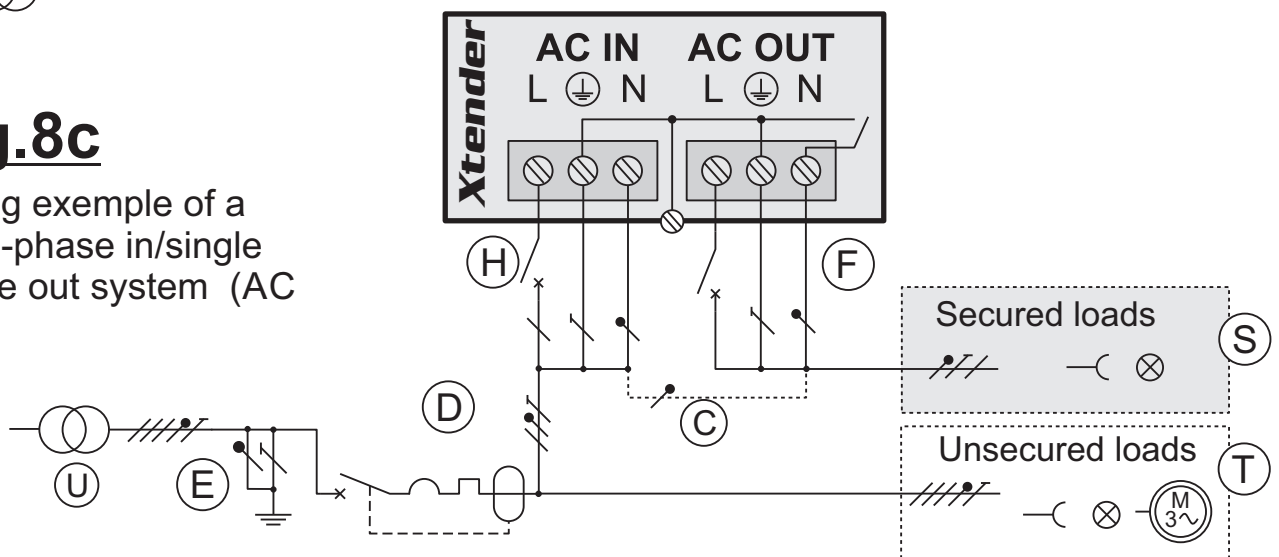
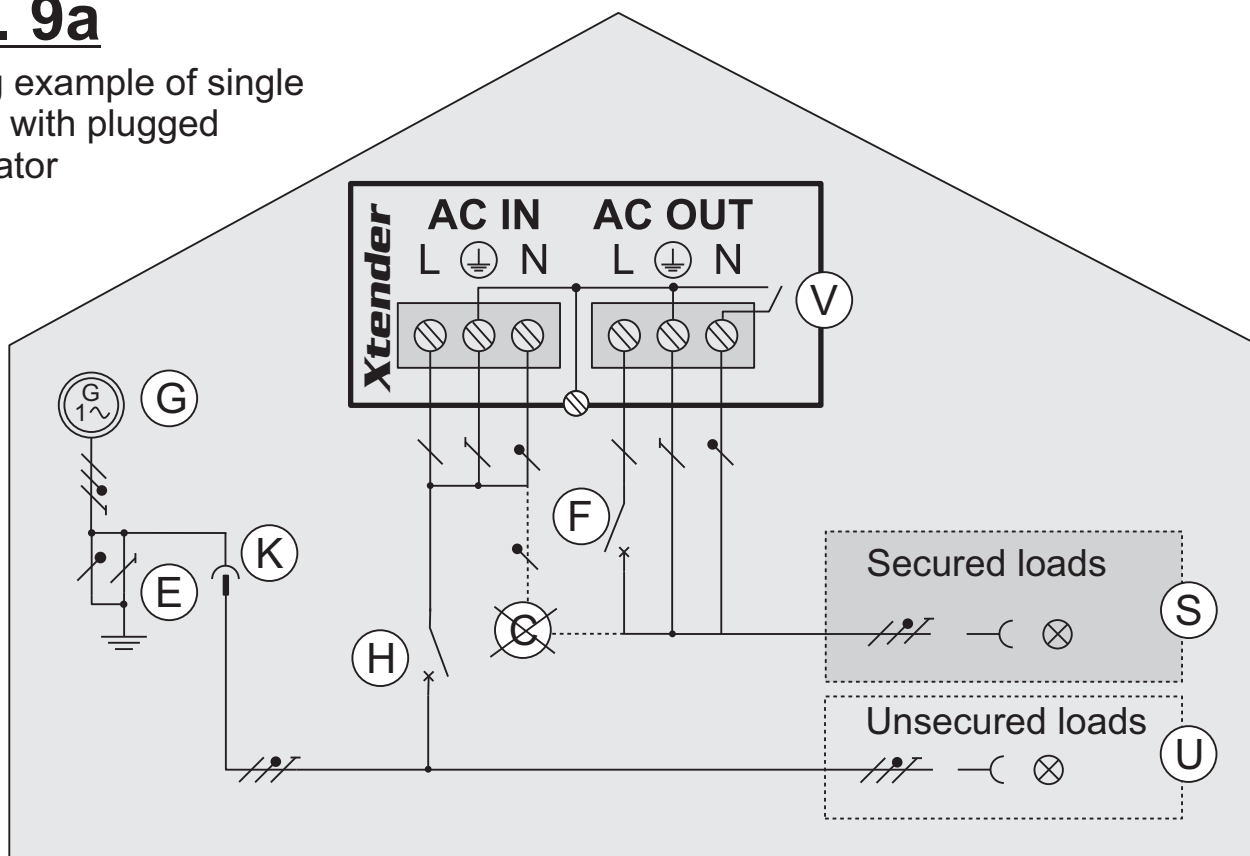


Fig. 9a

Wiring example of single phase with plugged generator

**Fig. 9b**

Wiring example of triphase in with plugged Xtender

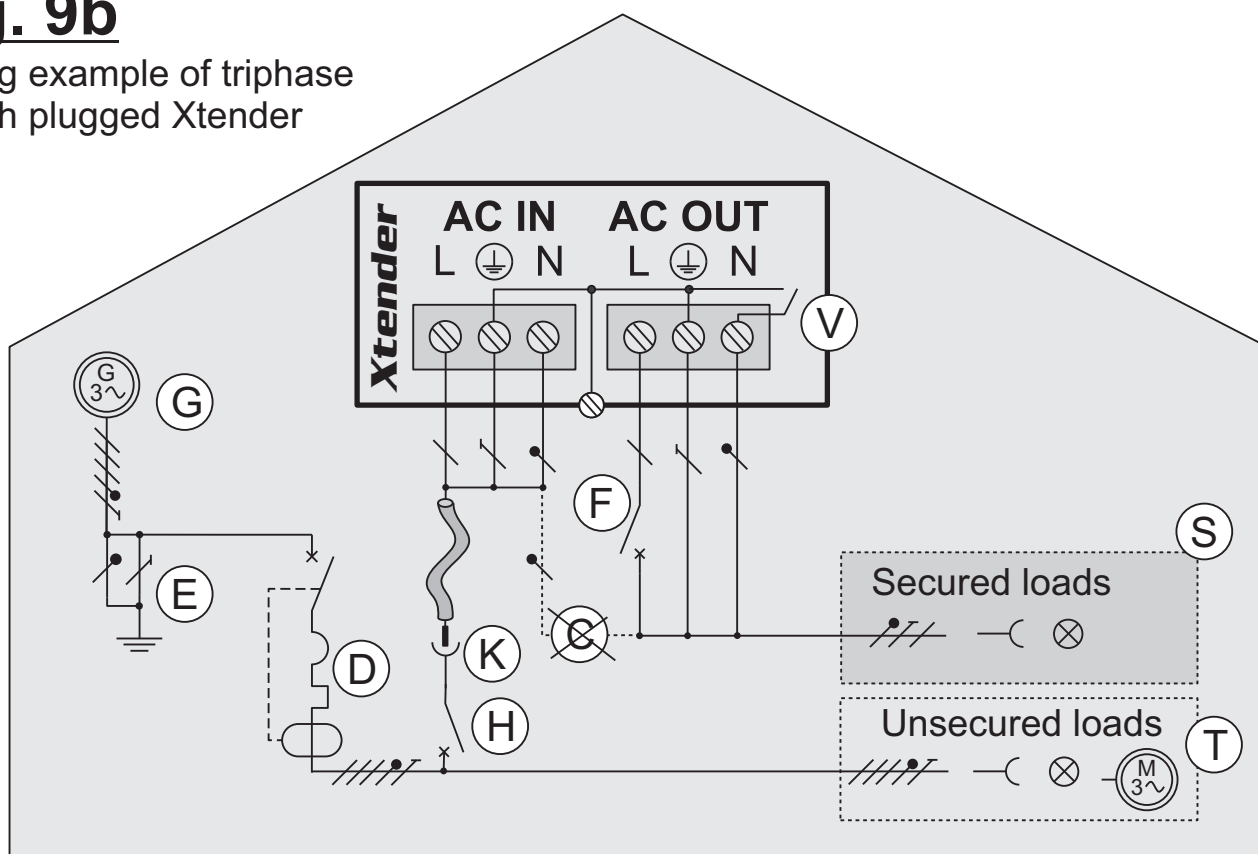
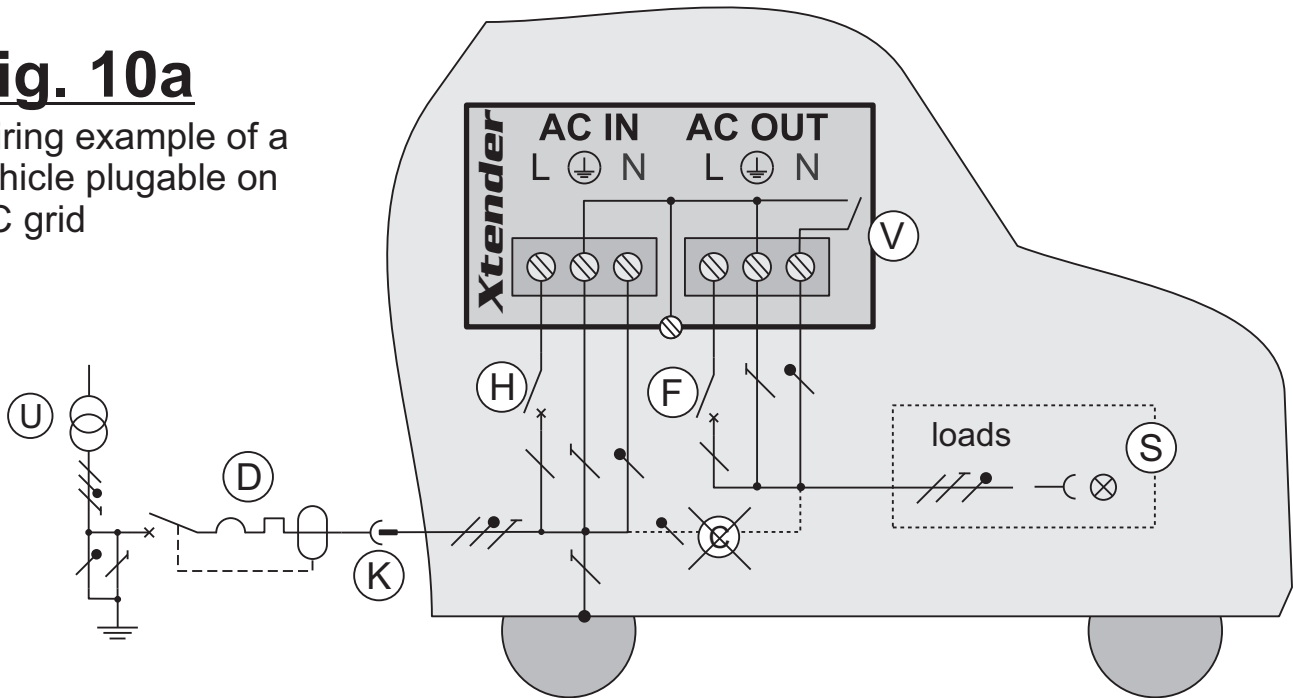
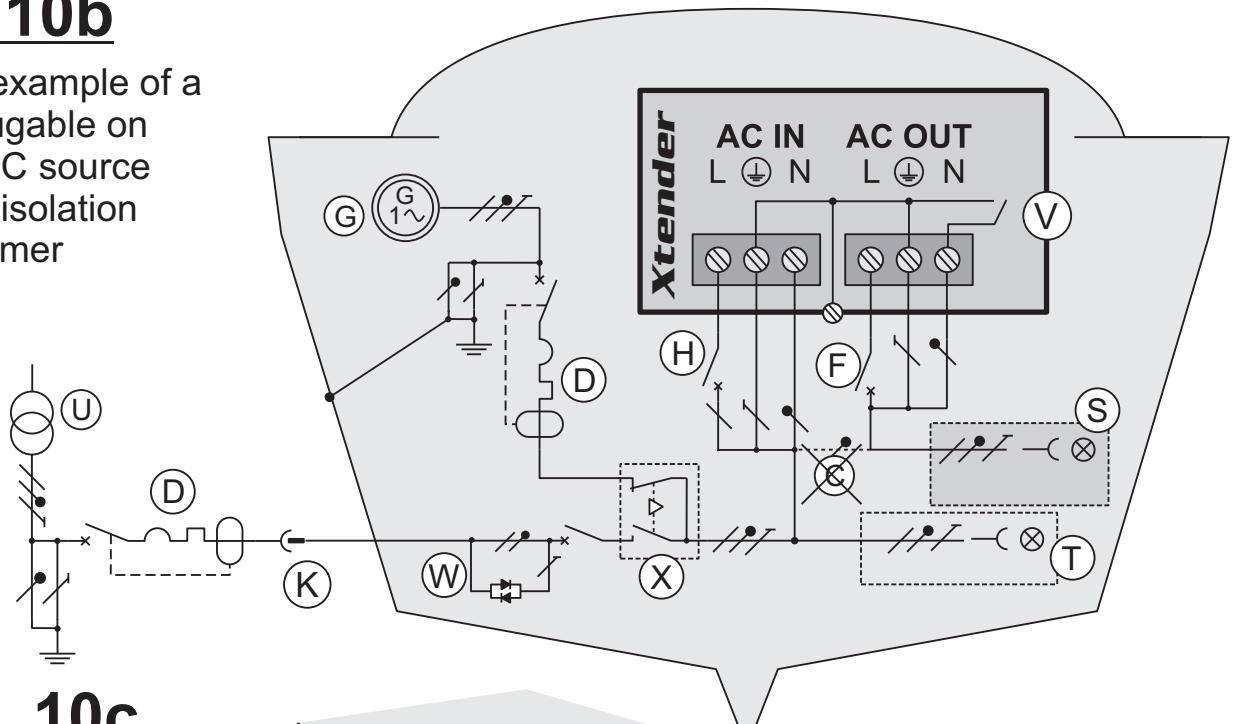


Fig. 10a

Wiring example of a vehicle plugable on AC grid

**Fig. 10b**

Wiring example of a boat plugable on shore AC source without isolation transformer

**Fig. 10c**

Wiring example of a boat plugable on shore AC source with isolation transformer

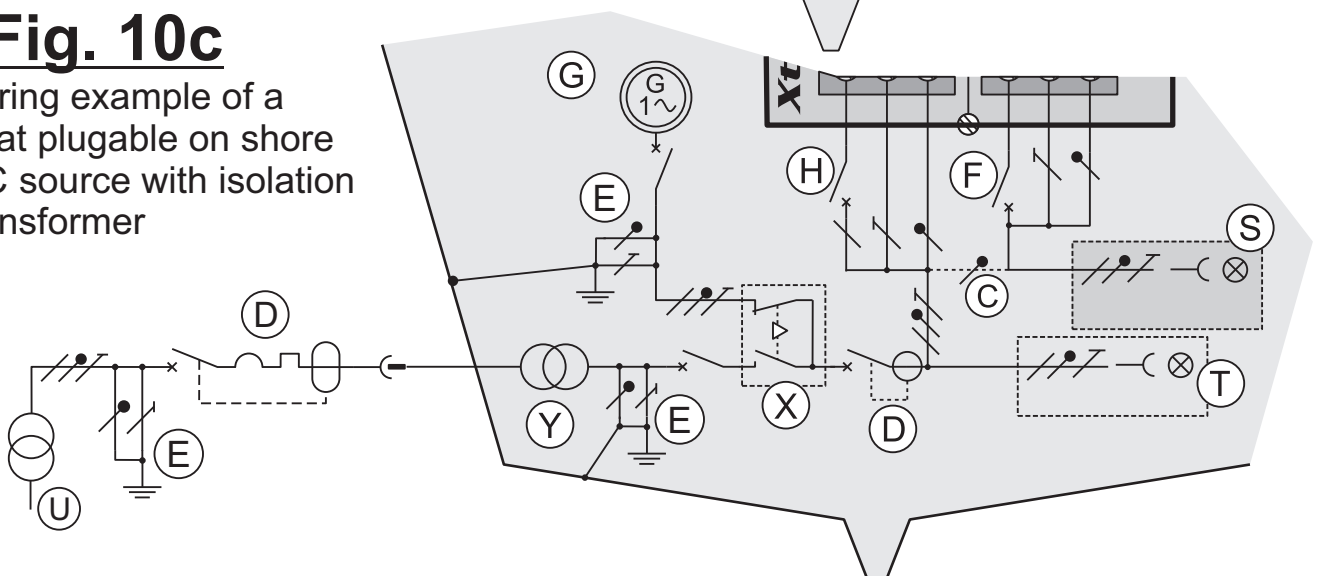


Fig. 11

Wiring example of a hybrid system with PV, wind or hydro source

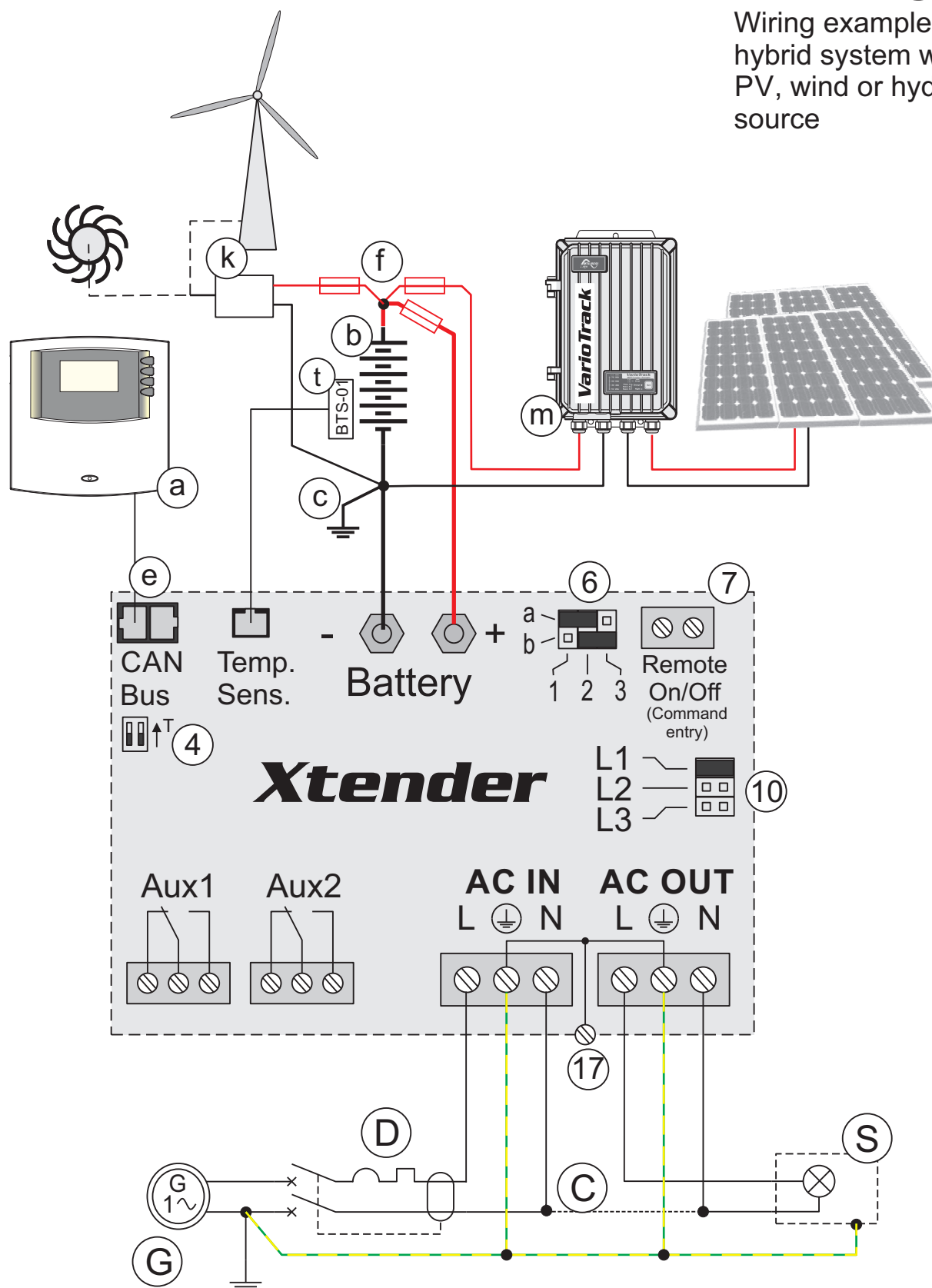


Fig. 12
Wiring example of 3
units paralleled in
single phase

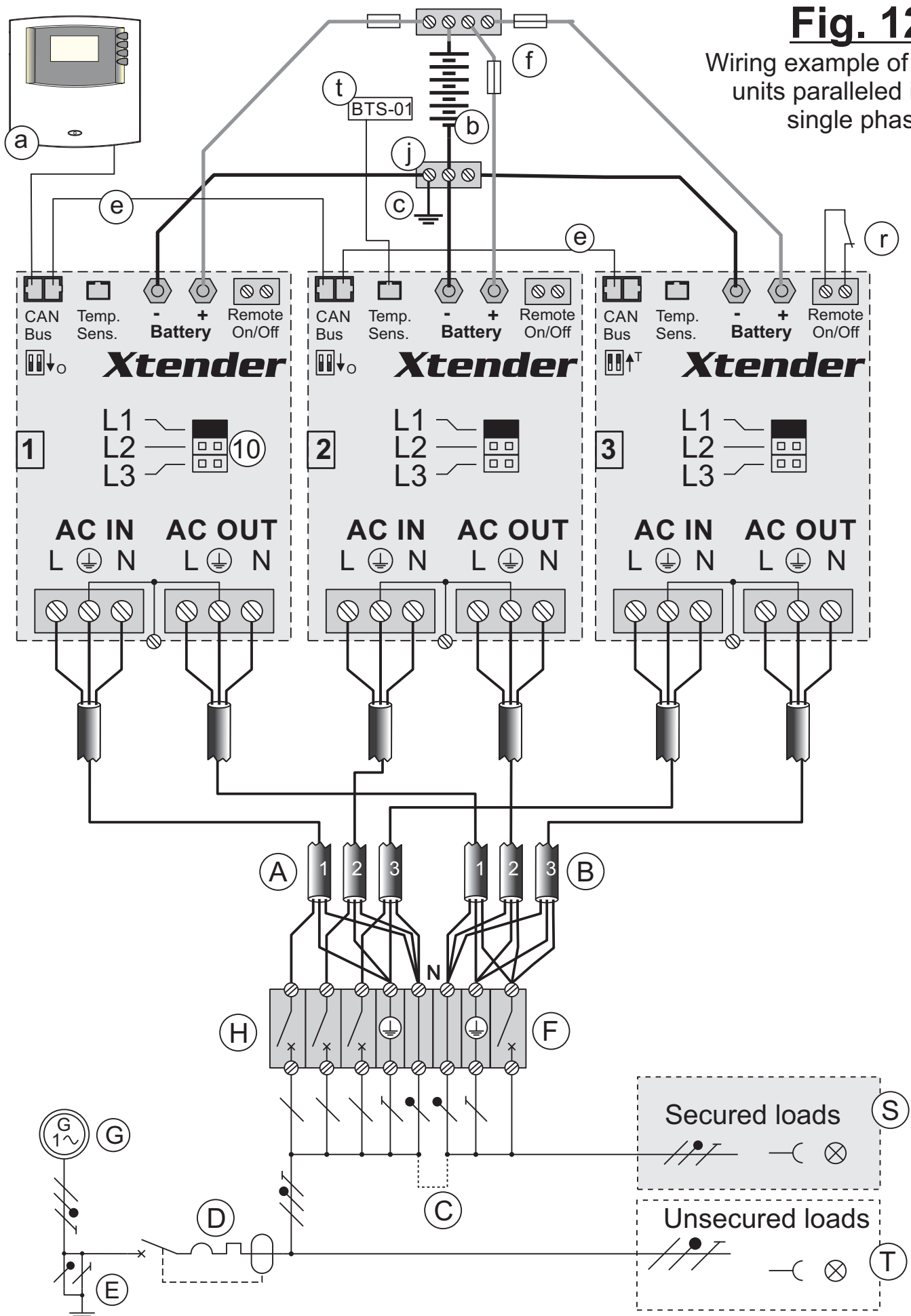
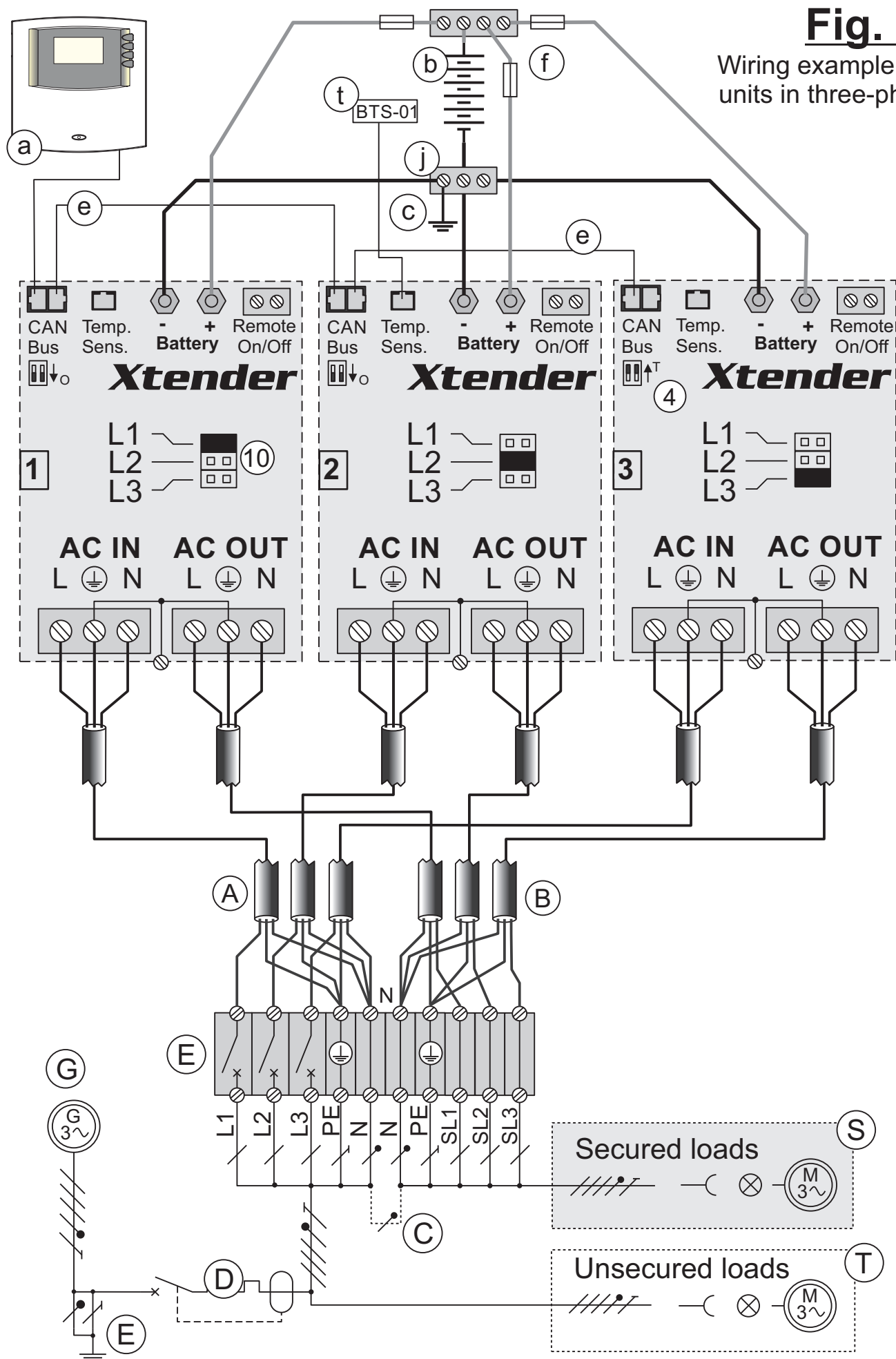


Fig. 13

Wiring example of 3 units in three-phase



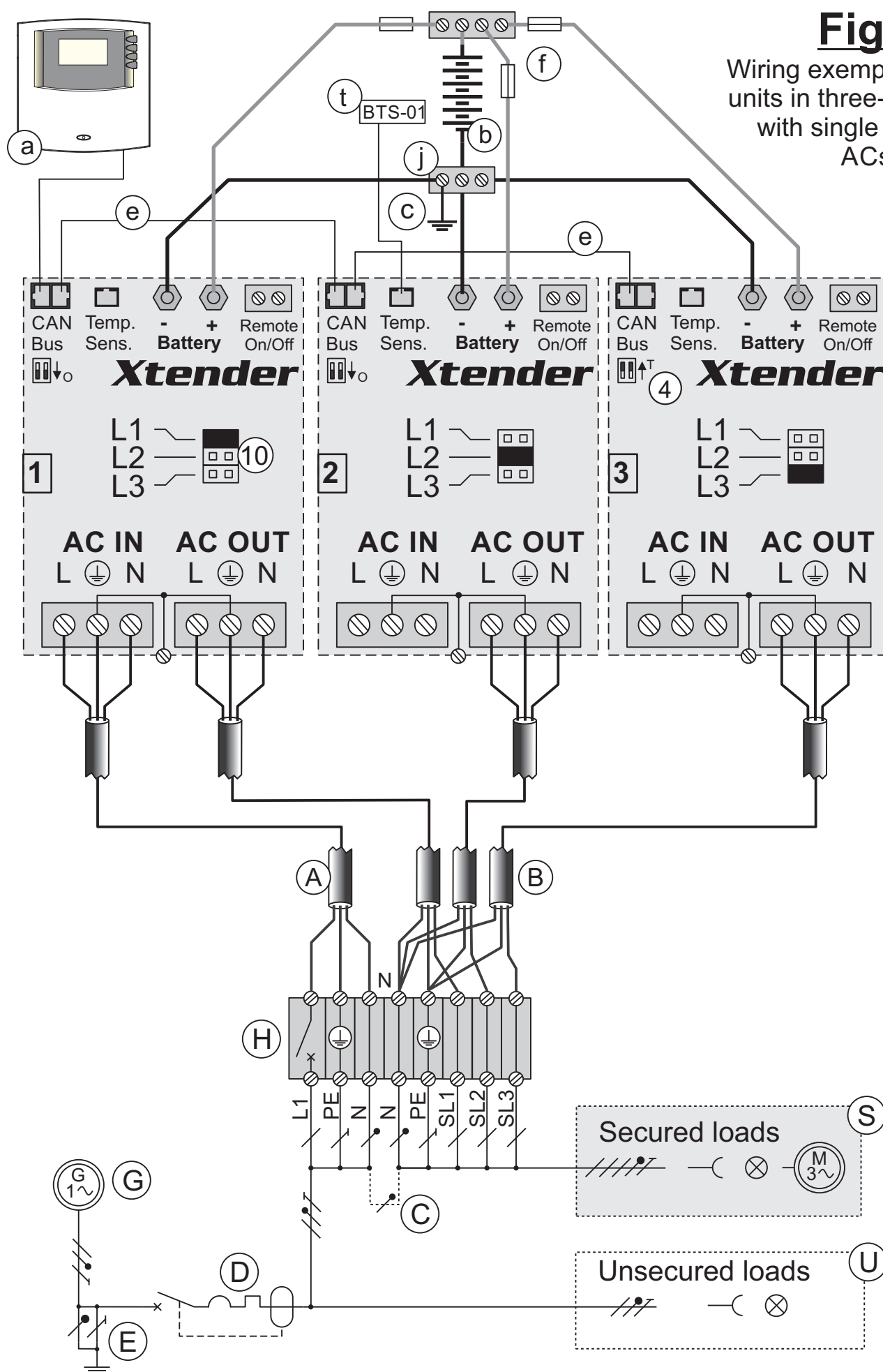


Fig. 15 Wiring example of 3 units in three-phase + one phase (L3) paralleled

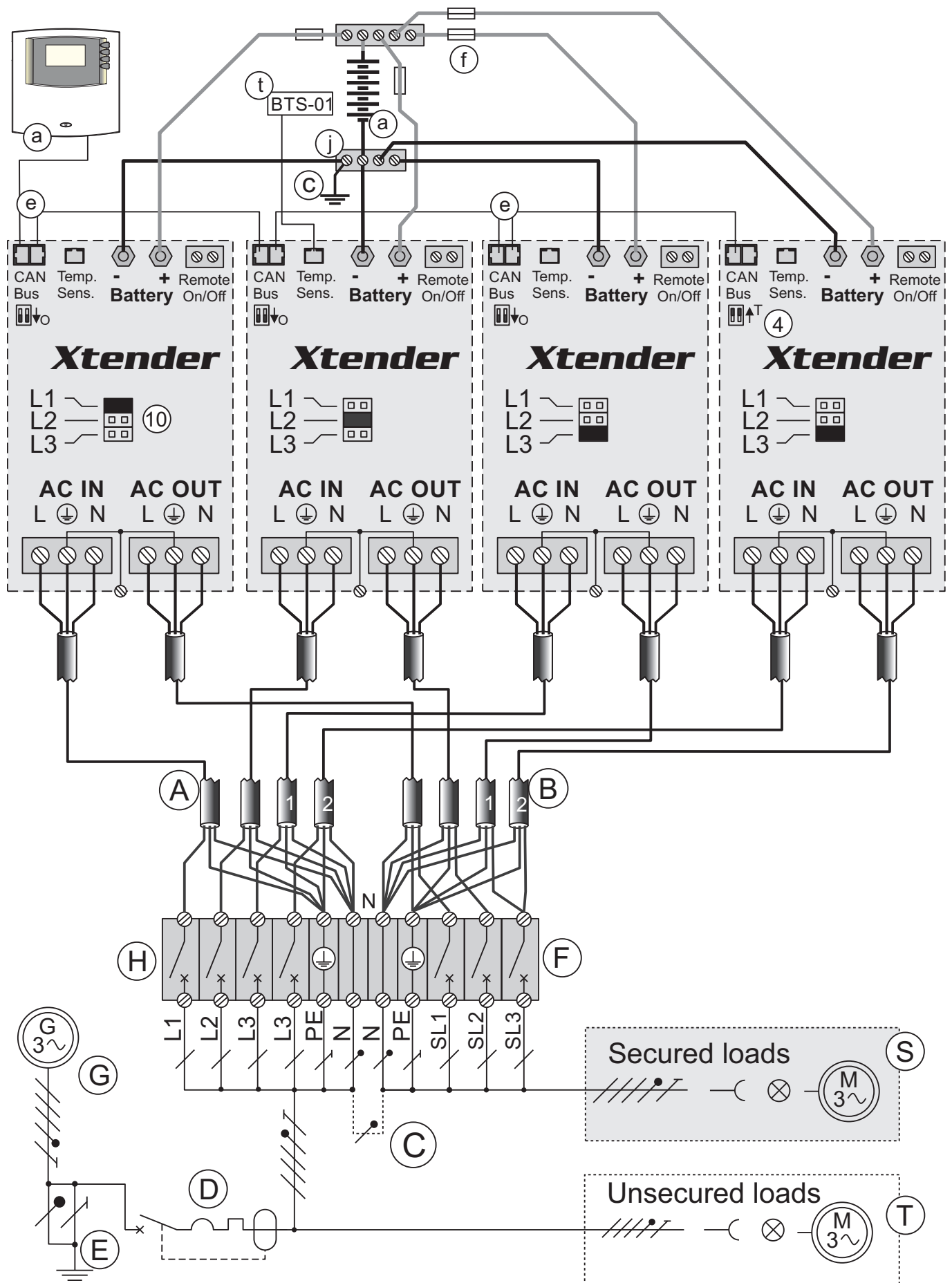


Fig. 16

Wiring example of 3
units paralleled and in
three-phase

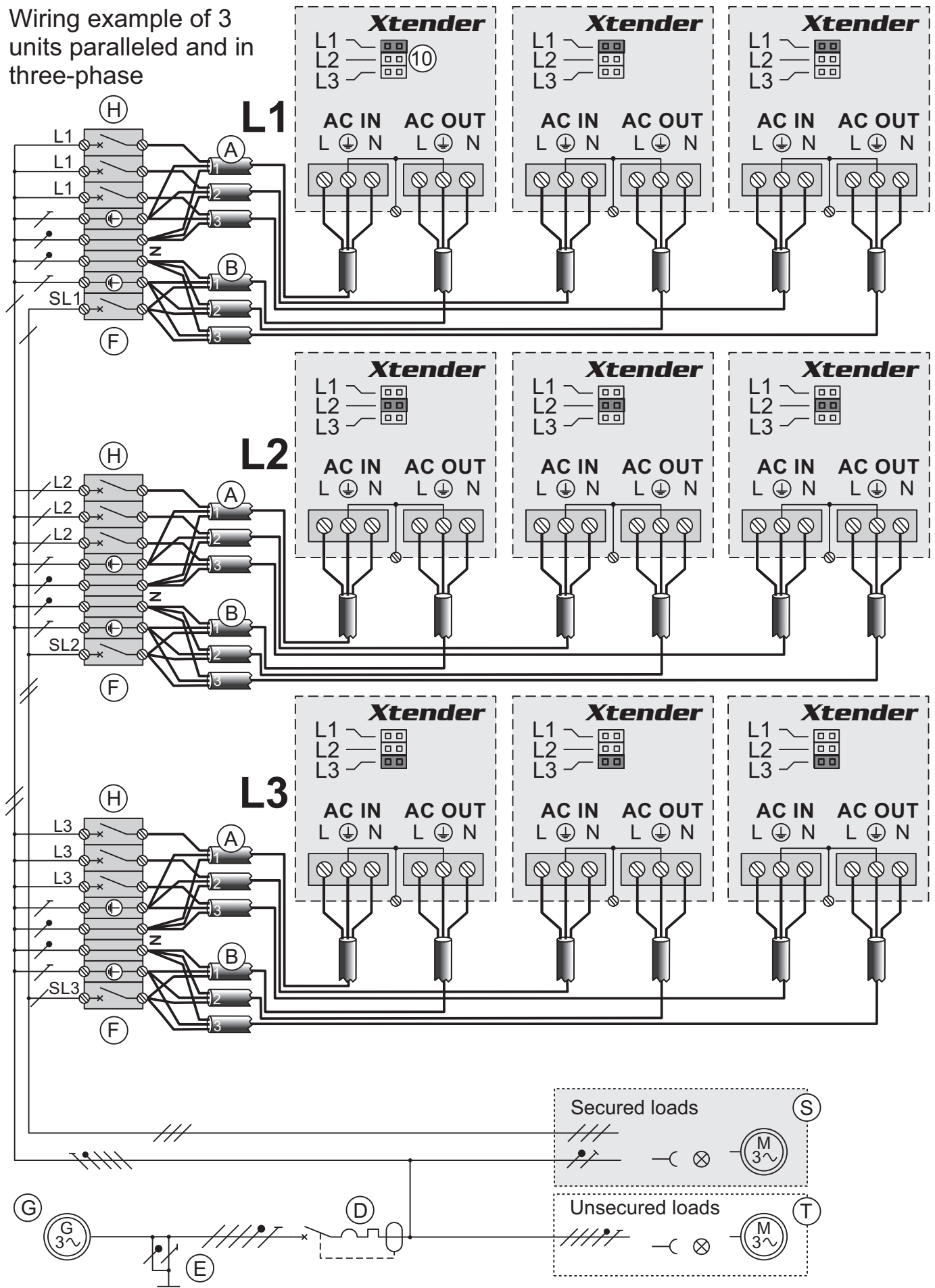


Fig. 17

DC bus wiring example
of 3 units paralleled and
in three-phase

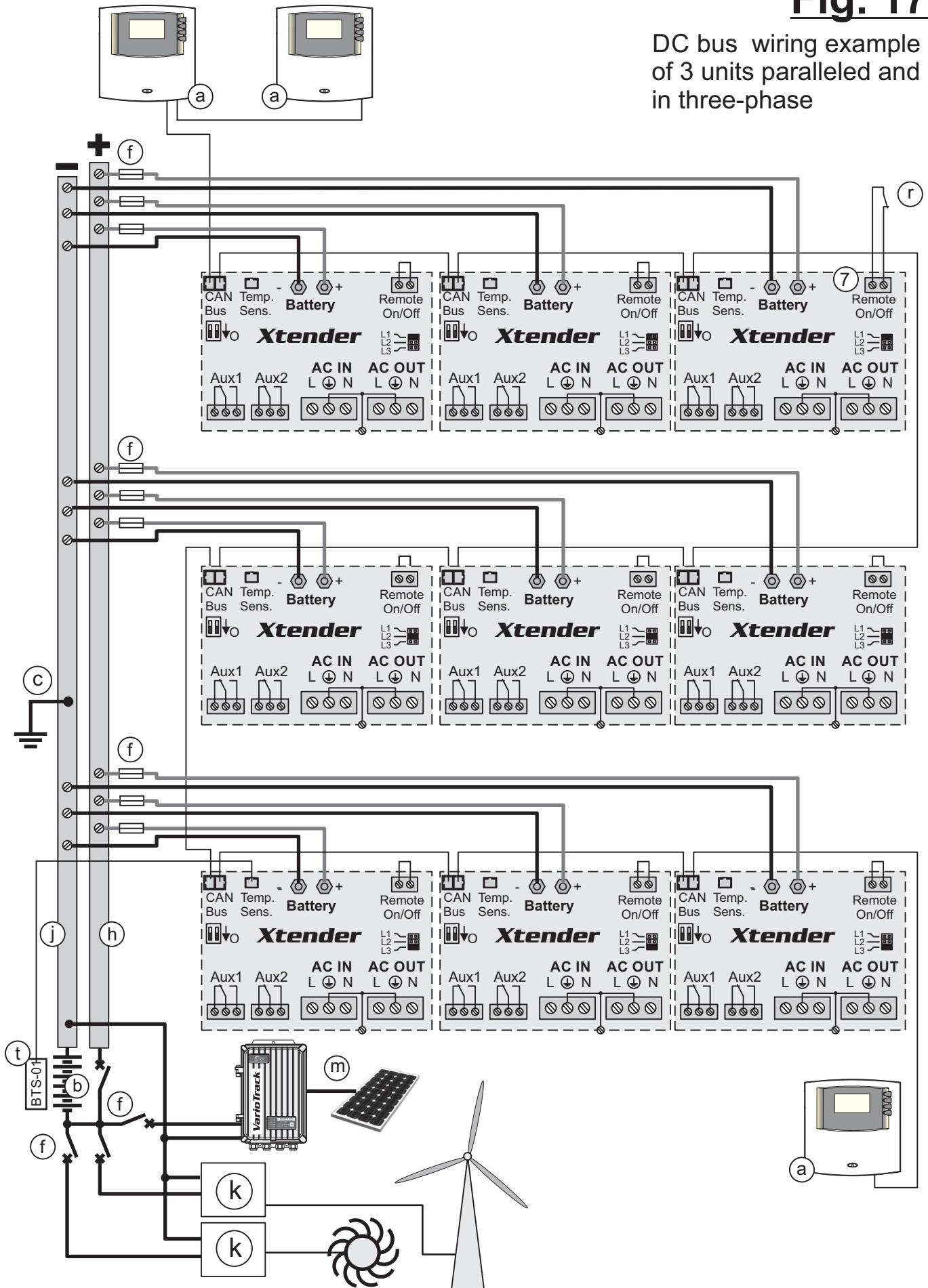


Fig. 18

DC side star wiring example of 3 units paralleled and in three-phase

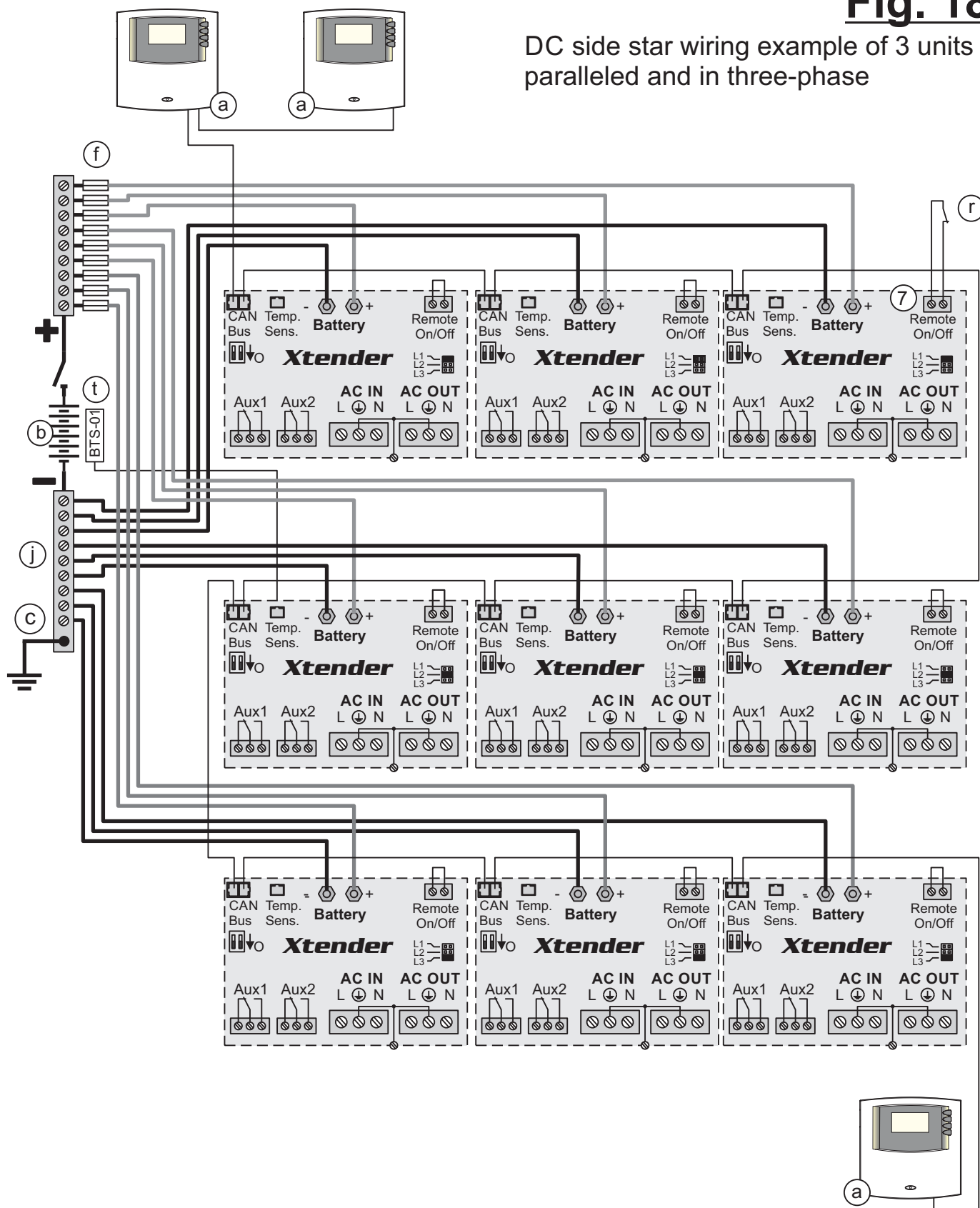


Fig. 19

Wiring examples of max 3 remote control RCC-02/03 connected on Xtender to control multiple Xtender system

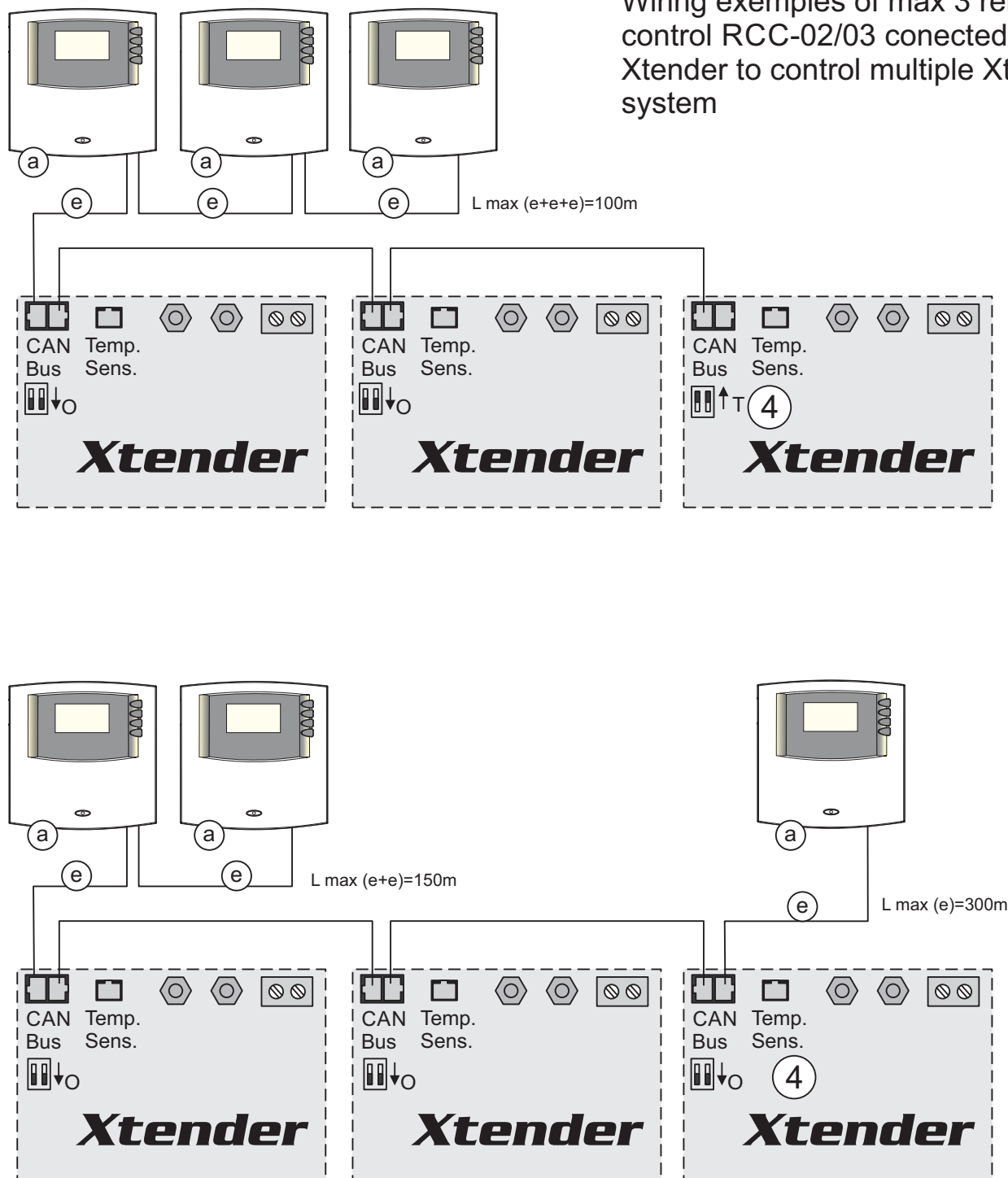
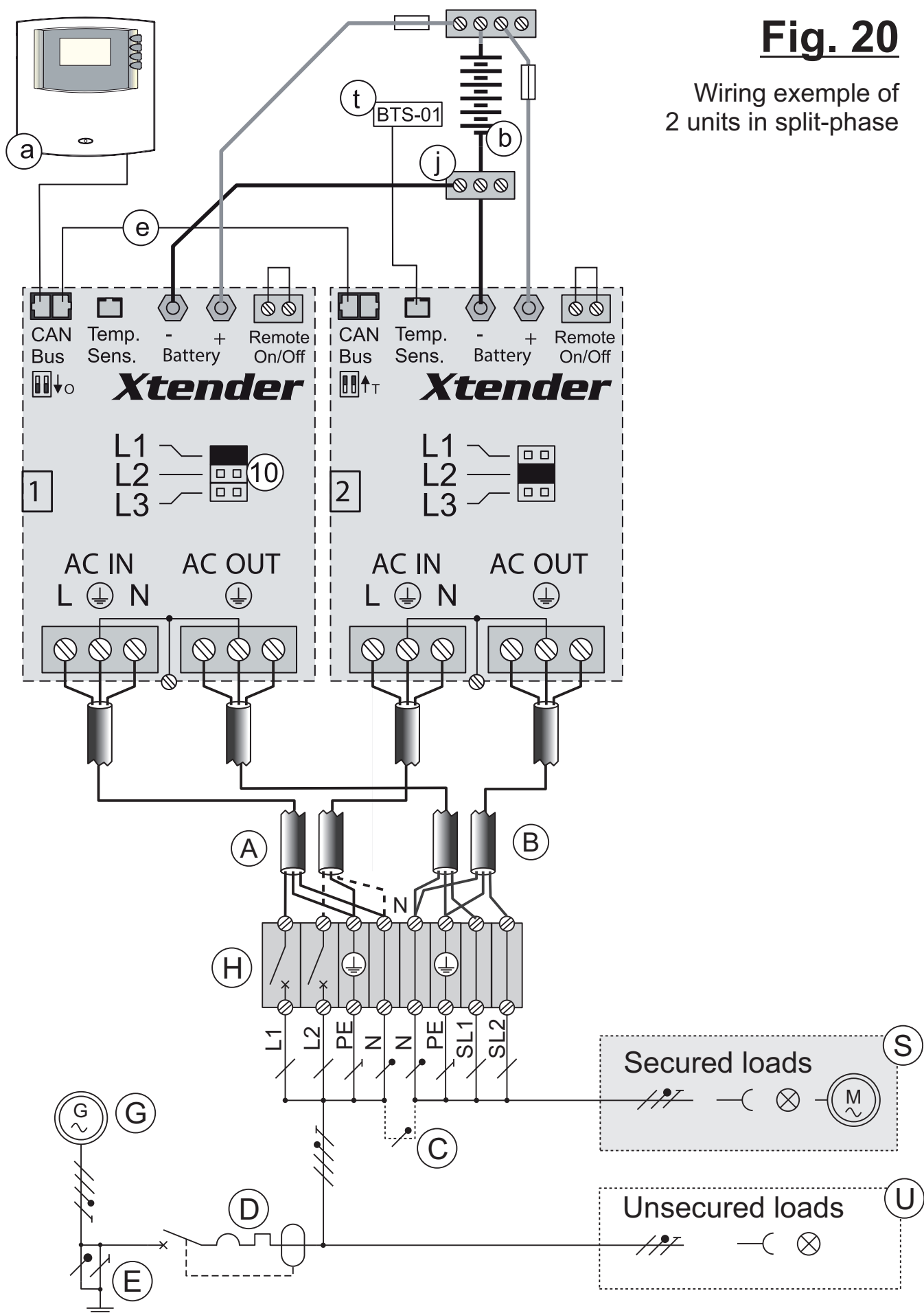


Fig. 20

Wiring example of
2 units in split-phase





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