

(FR) Concentrateur d'impulsions
(GB) Pulses concentrator

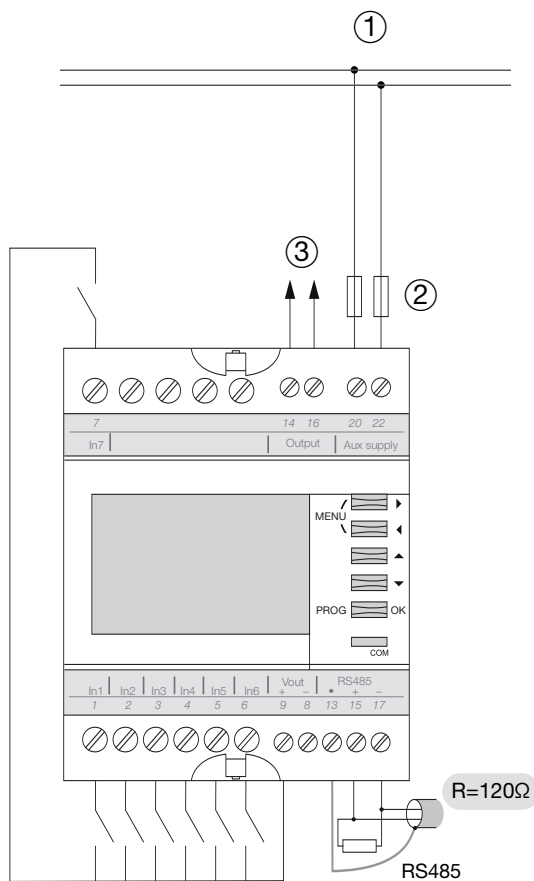
Notice d'installation rapide
Quick start instructions

La notice complète et les tables de communication sont disponibles sur le CD-Rom fourni avec le EC700.

EC700

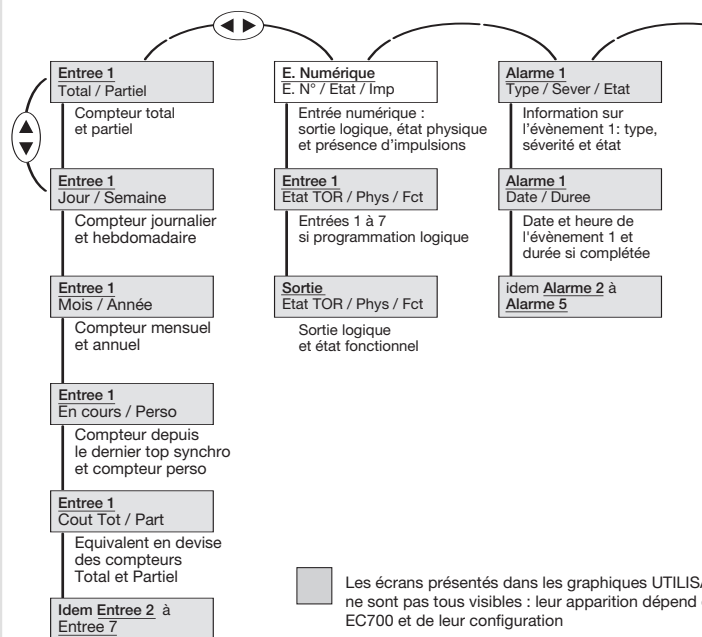
Raccordement

- ① Aux. 110 ... 400 Vac
120 ... 300 Vdc
- ② Fus. 0.5 A gG/BS 88 2A gG
- ③ 250 Vac 3A Relais
30 Vdc/1A

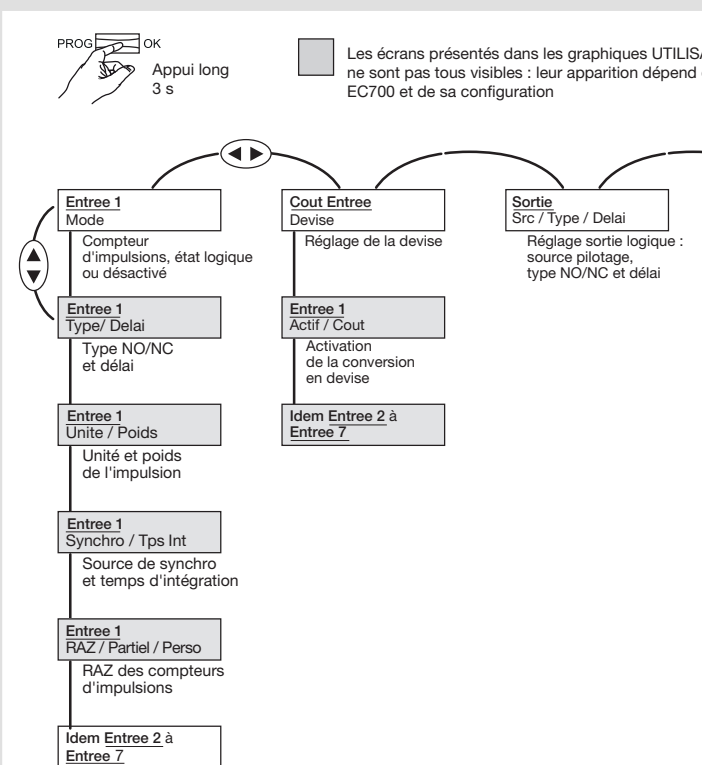


0.6 Nm		0.14 / 2.5 mm ²
		0.14 / 2.5 mm ²
		0.2 / 6 mm ²
		0.2 / 4 mm ²

Utilisation



Programmation

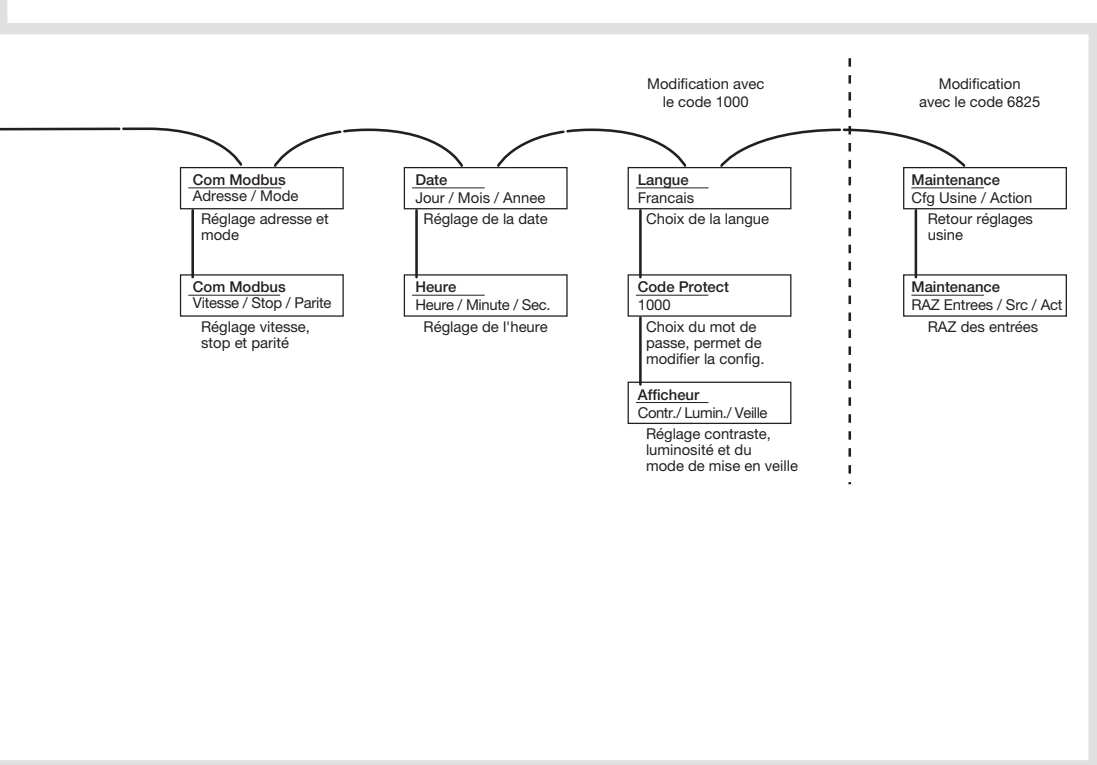
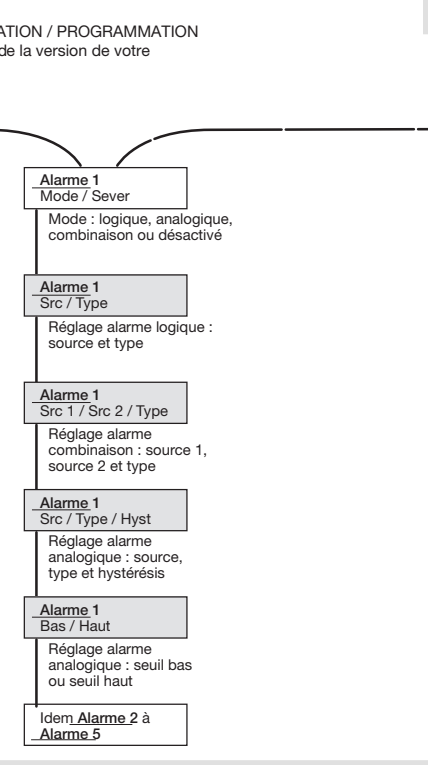
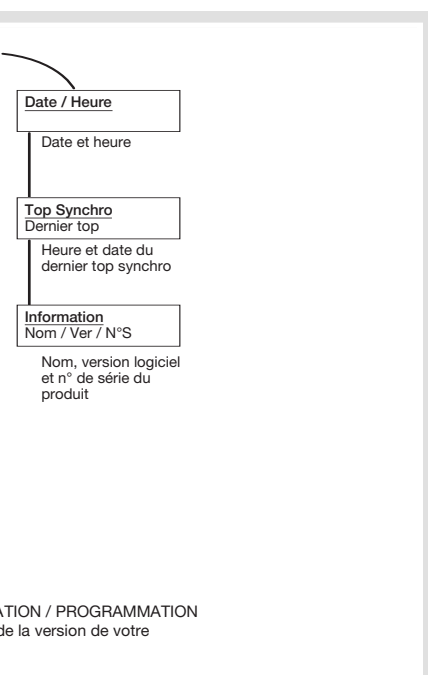


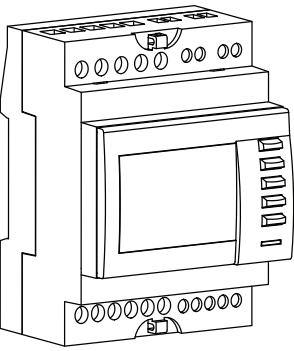
EC700 est en conformité avec les directives européennes :

- Compatibilité électromagnétique n° 2004/108/CE (2004/12/15)
- Directive basse tension n° 2006/95/CE (2006/12/12)

Appareil entièrement protégé par la double isolation.

Descriptions	Min	Max	Unités	Commentaires
Alimentation Auxiliaire				
Tension AC	110	400	Vac	+/-10%, 45/65 Hz,
Tension DC	120	300	Vdc	+/-10%, 5 VA
Climat				
Température ambiante	-10	55	°C	IEC 60068-2-1/ -2-2
Température de stockage	-20	70	°C	IEC 60068-2-1/ -2-2
Humidité ambiante		95	% HR	IEC 60068-2-30
Vibration				
Vibration		2	G	IEC 60068-2-6 10 à 100 Hz
Boîtier				
Dimensions		73x90x67	mm	LxIxH
Poids		215	g	
Degré protection d'enveloppe		IP51 / IP20		Face avant / Boîtier
Sécurité électrique				
Cat. Install. / degré pollution		III / 2		IEC 61010-1 ed. 3 (300Vac Ph/N)
Période d'actualisation				
Afficheur		1	Sec	
Communication RS 485		0,5	Sec	
Entrées Numériques				
Tension directe	10	30	Vdc	Référence borne 8
Courant	2	15	mA	Suivant IEC 62053-31 Class B
Longueur Ligne		1000	m	Min. section 1.5 mm ² (#16AWG)
Durée d'impulsion	30		ms	max. 16 Hz
Puissance absorbée par entrée		0,4	VA	
Alimentation Interne de polarisation des entrées Numériques				
Tension	10	15	Vdc	Max. 35 mA
Sortie Relais				
Configuration (Réglage contact)	1 contact (NO, NF)			
Endurance mécanique	10 ⁵ cycles			
Coupure AC		250 Vac/3A		
Coupure DC		30 Vdc/1A		
Communication Bus RS485 (Protocole JBUS/ MODBUS)				
Longueur Ligne		1200	m	
Nombre d'équipements		32		2 fils blindés + half duplex
Vitesse de modulation	9.6 K, 19.2 K, 38.4 Kbps			





- GB Pulses concentrator
- FR Concentrateur d'impulsions

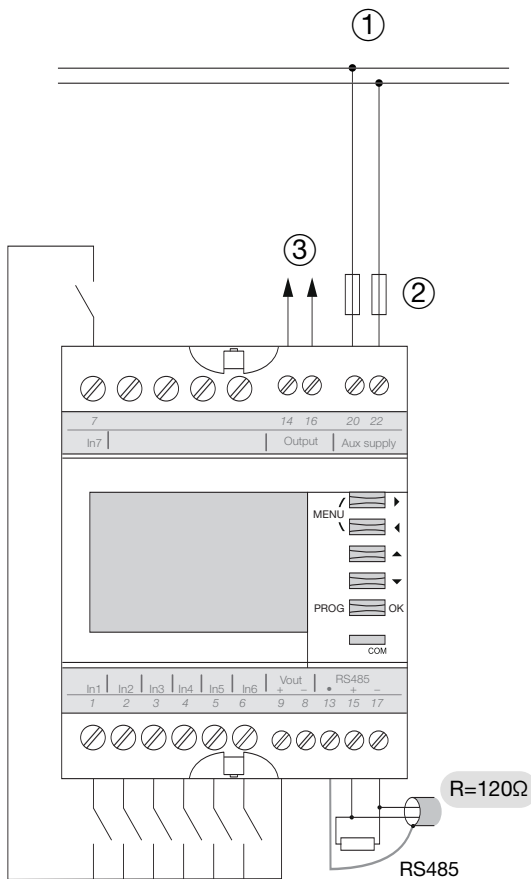
Quick start instructions
Notice d'installation rapide

The full user manual and the communication tables are available on the CD-Rom supplied with the EC700.

EC700

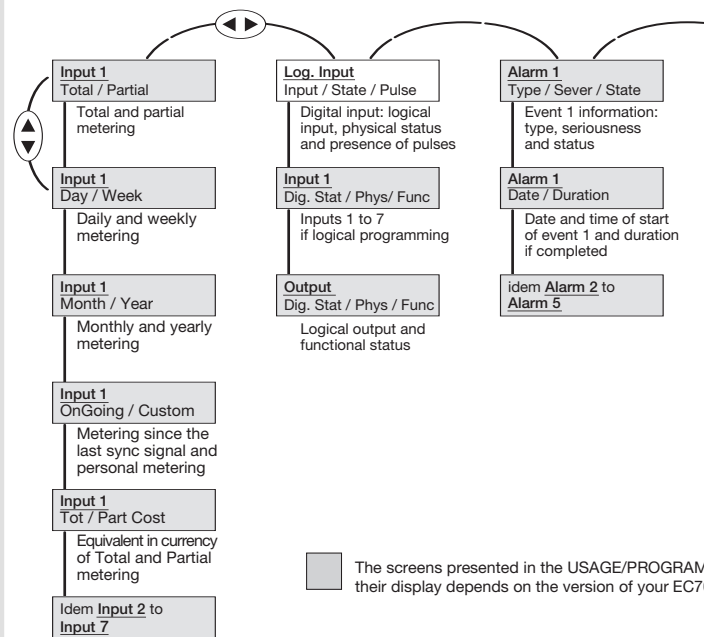
Connection

- ① Aux. 110 ... 400 Vac
120 ... 300 Vdc
- ② Fus. 0.5 A gG/BS 88 2A gG
- ③ 250 Vac 3A Relais
30 Vdc/1A



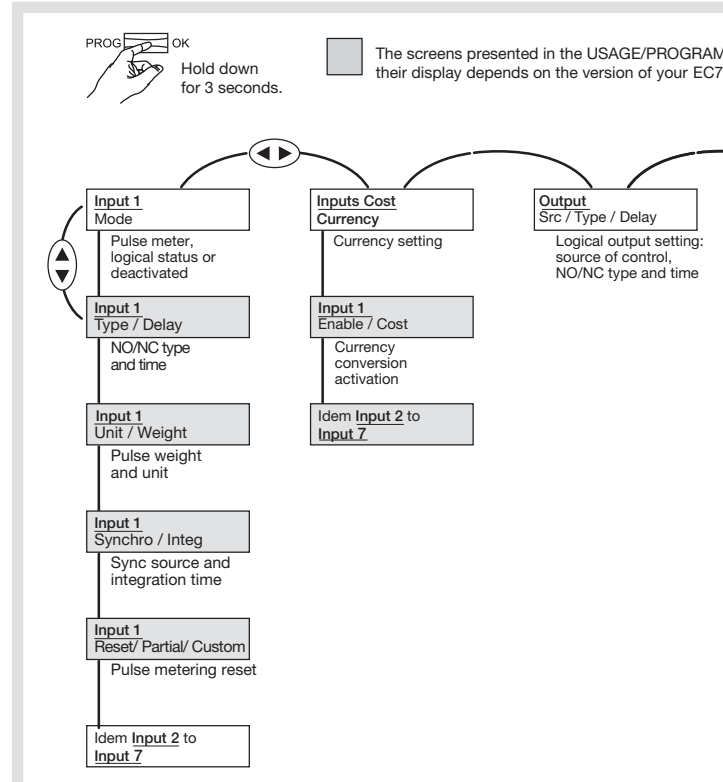
 0.6 Nm		0.14 / 2.5 mm ²
		0.14 / 2.5 mm ²
		0.2 / 6 mm ²
		0.2 / 4 mm ²

Use



The screens presented in the USAGE/PROGRAMMATION menu their display depends on the version of your EC700.

Programming



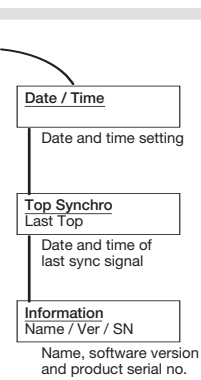
The screens presented in the USAGE/PROGRAMMATION menu their display depends on the version of your EC700.

EC700 complies with the following European directives:

- Electromagnetic compatibility directive, no. 2004/108/EC (2004/12/15)
- Low voltage directive, no. 2006/95/EC (2006/12/12)

Device fully protected with double insulation.

Descriptions	Min	Max	Units	Comments
Auxiliary power supply				
AC voltage	110	400	Vac	+/-10%, 45/65 Hz,
DC voltage	120	300	Vdc	+/-10%, 5 VA
Climate				
Ambient temperature	-10	55	°C	IEC 60068-2-1/ -2-2
Storage temperature	-20	70	°C	IEC 60068-2-1/ -2-2
Ambient humidity		95	% RH	IEC 60068-2-30
Vibration				
Vibration		2	G	IEC 60068-2-6 10 to 100 Hz
Case				
Dimensions		73x90x67	mm	LxWxH
Weight		215	g	
Protection index of enclosure		IP51 / IP20		Front/Case
Electrical safety				
Cat. Install. /degree of pollution		III / 2		IEC 61010-1 ed. 3 (300 Vac Ph/N)
Updating period				
Display		1	Sec	
RS 485 communication		0,5	Sec	
Digital inputs				
Direct voltage	10	30	Vdc	Terminal 8 reference
Current	2	15	mA	According to IEC 62053-31 Class B
Line length		1000	m	Min. section 1.5 mm ² (#16AWG)
Pulse duration	30		ms	max. 16 Hz
Power consumption per input		0,4	VA	
Internal digital input polarisation power supply				
Voltage	10	15	Vdc	Max. 35 mA
Relay output				
Set-up (contact setting)	1 contact (NO, NF)			
Mechanical strength	10 ⁵ cycles			
AC breaking	250 Vac/3A			
DC breaking	30 Vdc/1A			
RS485 bus communication (JBUS/MODBUS protocol)				
Line length		1200	m	
Number of equipment		32		2 shielded wires + half duplex
Modulation speed	9.6K, 19.2K, 38.4Kbds			



MINING charts are not all visible
00 and their configuration

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