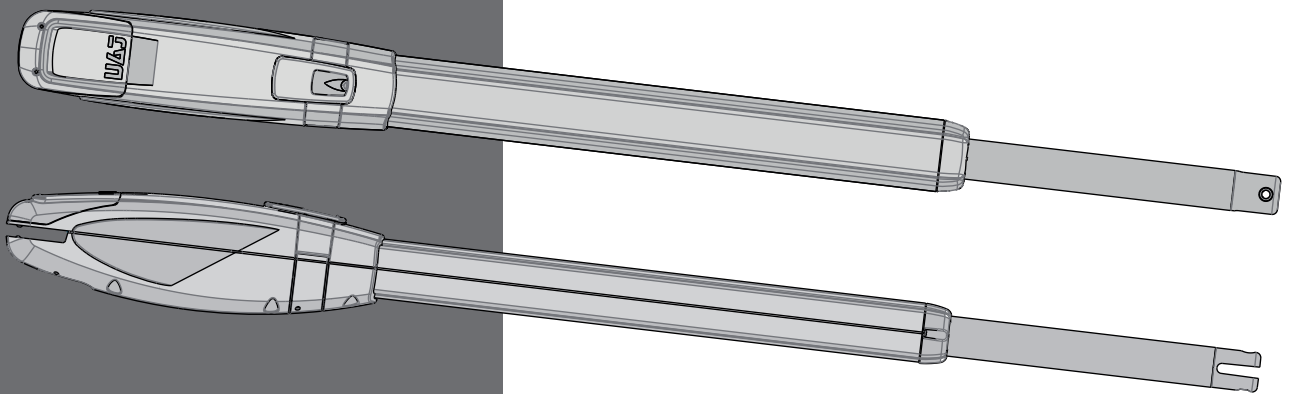


ARM200 Series



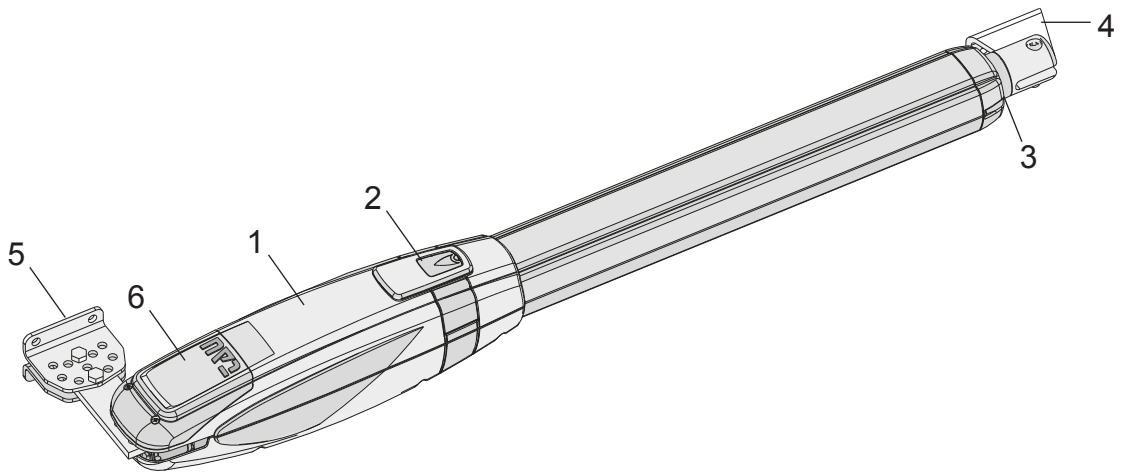


fig. 1

ARM	A	B max	C max
225I - 225BI	290 mm	1070 mm	1098 mm
250I - 250BI 250BR	425 mm	1350 mm	1378 mm
270I - 270BI	530 mm	1560 mm	1588 mm
290BI	853 mm	2266 mm	2294 mm

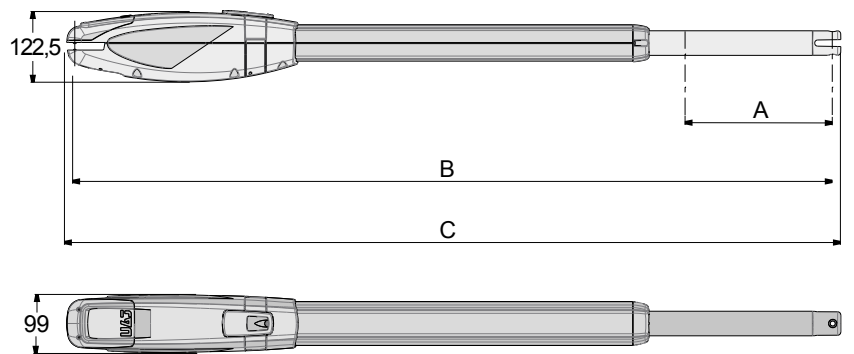


fig. 2

	ARM200	ARM200BI / BR
a	4x1,5 mm ²	2x2,5 mm ² + 3x0,5 mm ²
b	3x1,5 mm ²	3x1,5 mm ²
c	2x0,5 mm ²	2x0,5 mm ²
d	4x0,5 mm ²	4x0,5 mm ²
e	3x0,5 mm ²	3x0,5 mm ²
f	2x1 mm ² + 1RG58	2x1 mm ² + 1RG58

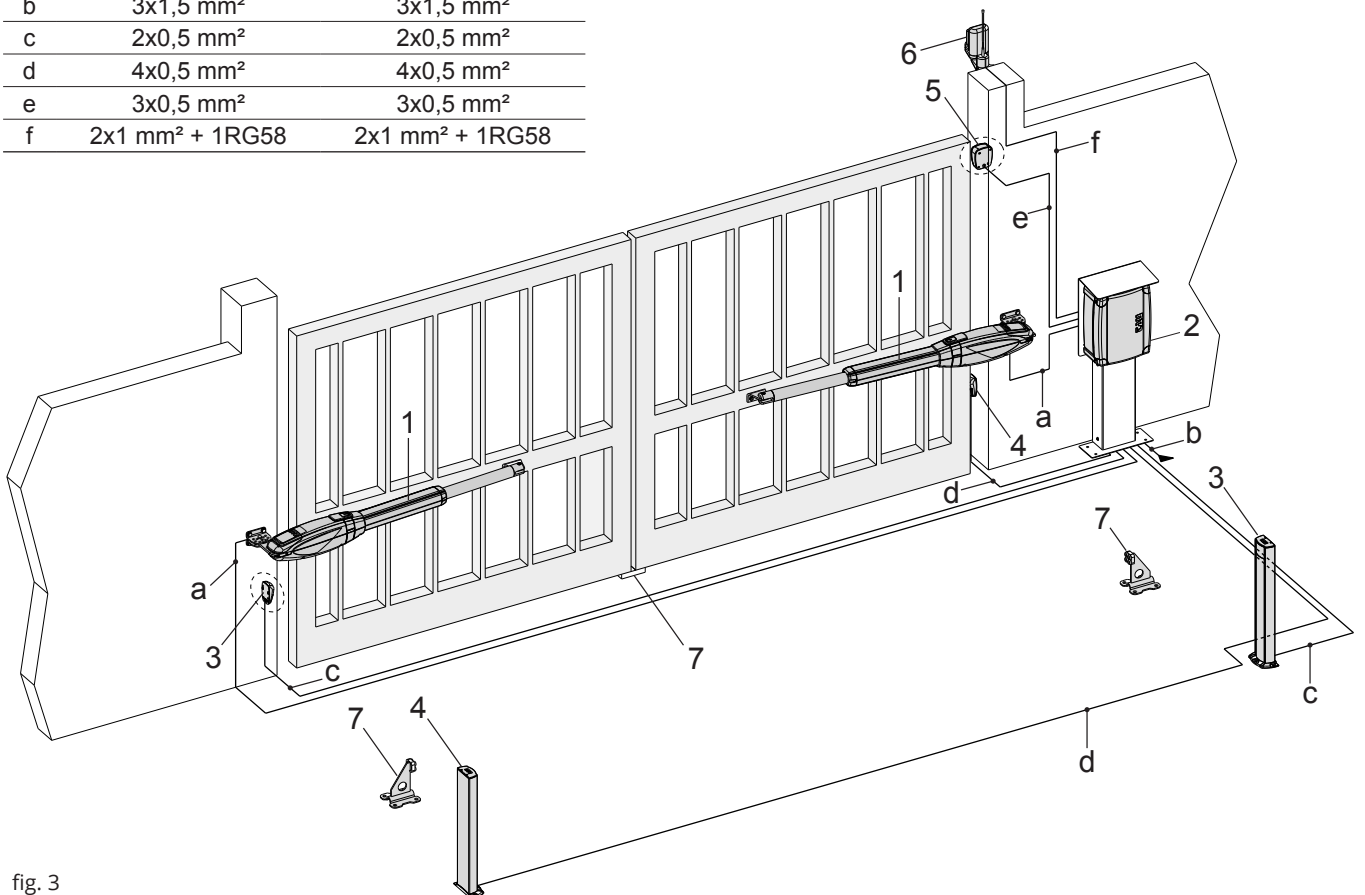


fig. 3

PREDISPOSIZIONI OPERE MURARIE (fig. 4)

- | | |
|---------------------------|----------------------------|
| 1) Attuatore | 5) Fotocellule a parete |
| 2) Centralina | 6) Battenti |
| 3) Selettore a chiave | 7) Fotocellule a colonnina |
| 4) Antenna e lampeggiante | 8) Elettroserratura |

ARRANGEMENT OF WALL INTERVENTIONS (fig.4)

- | | |
|------------------------------|----------------------------|
| 1) Actuator | 5) Wall-mounted photocells |
| 2) Control unit | 6) Gate stops |
| 3) Key switch | 7) Photocells on post |
| 4) Aerial and flashing light | 8) Electric lock |

VORBEREITUNG VON WANDARBEITEN (Abb. 4)

- | | |
|-----------------------------|----------------------------|
| 1) Antrieb | 5) Photozellen an Mauer |
| 2) Steuerzentrale | 6) Anschläge |
| 3) Schlüsselschalter | 7) Photozellen auf Ständer |
| 4) Antenne und Blinkleuchte | 8) Elektroschloss |

PRÉPARATION DE TRAVAUX DE CONSTRUCTION (fig. 4)

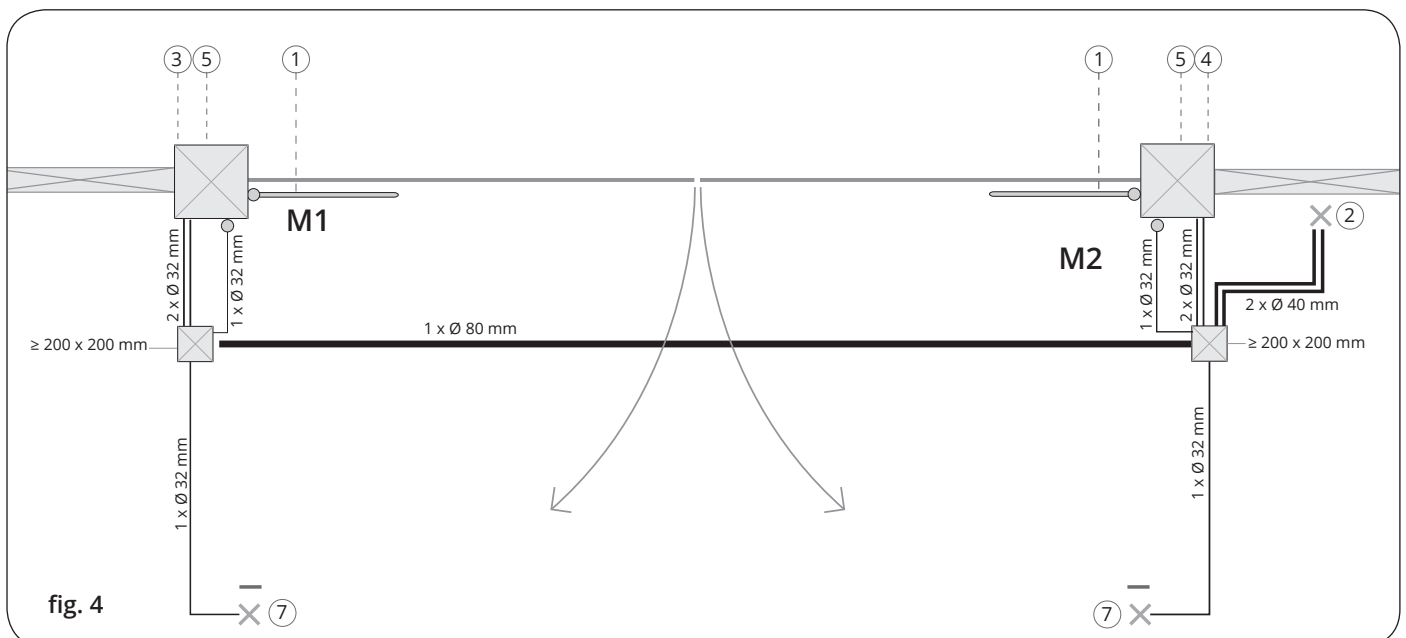
- | | |
|--------------------------|------------------------------|
| 1) Opérateur | 5) Photocellules murales |
| 2) Logique de commande | 6) Battants |
| 3) Sélecteur a clé | 7) Photocellules sur colonne |
| 4) Antenne et clignotant | 8) Serrure électrique |

PREPARACIÓN OBRAS DE ALBAÑILERÍA (fig. 4)

- | | |
|------------------------------|----------------------------|
| 1) Operador | 5) Fotocélulas de pared |
| 2) Centralita | 6) Topes |
| 3) Selector de llave | 7) Fotocélulas en columnas |
| 4) Antena y luz intermitente | 8) Electrocerradura |

PREPARAÇÃO DE OBRAS DE ALVENARIA (fig.4)

- | | |
|------------------------|--------------------------|
| 1) Motoredutor | 5) Fotocélulas na parede |
| 2) Unidade de controle | 6) folhas |
| Seletor de teclas | 7) Fotocélula de coluna |
| 4) Antena e piscando | 8) Fechadura elétrica |



QUOTE DI
INSTALLAZIONE
(FIG.4)

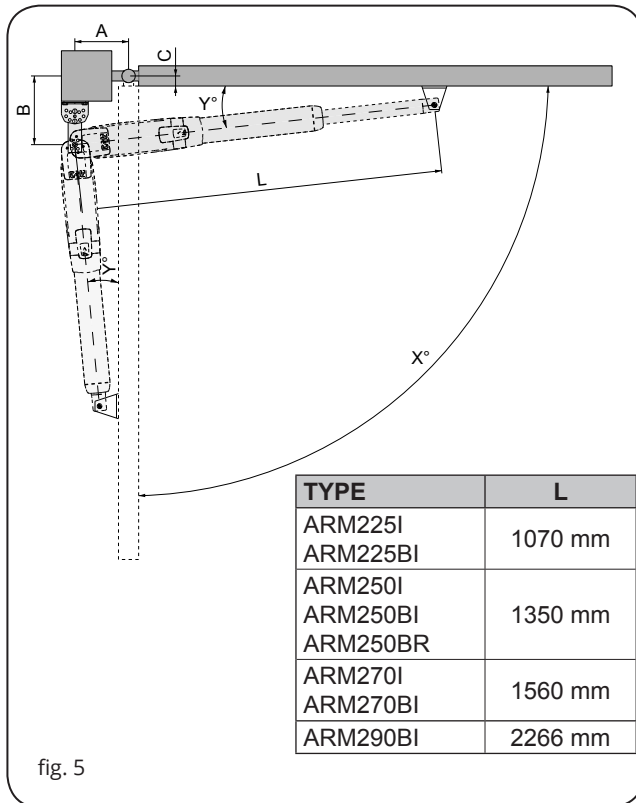
INSTALLATION
DIMENSIONS
(FIG.4)

ANBAUMASSE
(ABB.4)

COTES
D'INSTALLATION
(FIG.4)

COTAS DE
INSTALACIÓN
(FIG.4)

COTAS PARA
INSTALAÇÃO
(FIG.4)



TYPE	L
ARM225I ARM225BI	1070 mm
ARM250I ARM250BI ARM250BR	1350 mm
ARM270I ARM270BI	1560 mm
ARM290BI	2266 mm

Determinare la posizione di montaggio dell'attuatore facendo riferimento alla fig.5.

Verificare attentamente che la distanza tra l'anta aperta ed eventuali ostacoli (pareti, recinzioni etc.) sia superiore all'ingombro dell'attuatore.

Determine the fitting position of the actuator with reference to fig.5.

Check with care if the distance between the open leaf and any obstacles (walls, fences etc.) is higher than the actuator dimensions.

Die Montageposition des Antriebs bestimmen und hierzu Bezug auf die Abbildung 5 nehmen.

Aufmerksam sicherstellen, dass der Abstand zwischen dem offenen Flügel und eventuellen Hindernissen (Wände, Umzäunungen usw.) über dem Platzbedarf des Antriebs liegt.

Déterminer la position de montage de l'opérateur en se reportant à la fig.5.

Vérifier attentivement que la distance entre le vantail ouvert et les obstacles éventuels (murs, clôtures etc.) est supérieure à l'encombrement de l'opérateur.

Establezca la posición de montaje del accionador tomando como referencia la fig.5.

Compruebe atentamente que la distancia entre la hoja abierta y los posibles obstáculos (paredes, vallas, etc.) sea superior al espacio ocupado por el operador.

Determine a posição adequada do atuador / braço com base na fig. 5.

Verifique cuidadosamente se a distância entre a folha de abertura e quaisquer obstáculos (paredes, cercas, etc.) é superior ao espaço ocupado pelo atuador / braço.

ARM225

X°	A (mm)	B (mm)	C (mm)
90	110	120 ÷ 165	20 mm
90	115	120 ÷ 160	20 mm
90	120 ÷ 125	120 ÷ 155	20 mm
90	130	120 ÷ 150	20 mm
90	135	120 ÷ 145	20 mm
90	140	120 ÷ 140	20 mm
90	145	120 ÷ 135	20 mm
90	150 ÷ 155	120 ÷ 130	20 mm
90	160	120 ÷ 125	20 mm
90	165	120 ÷ 120	20 mm
100	130	120 ÷ 130	20 mm
100	135	120 ÷ 120	20 mm

ARM250

X°	A (mm)	B (mm)	C (mm)
90	120 ÷ 125	135 ÷ 275	20 mm
90	130	135 ÷ 270	20 mm
90	135	135 ÷ 265	20 mm
90	140	135 ÷ 260	20 mm
90	145 ÷ 150	135 ÷ 255	20 mm
90	155	135 ÷ 250	20 mm
90	160	135 ÷ 245	20 mm
90	165	135 ÷ 240	20 mm
90	170 ÷ 175	135 ÷ 235	20 mm
90	180	135 ÷ 230	20 mm
90	185	135 ÷ 225	20 mm
90	190 ÷ 195	135 ÷ 220	20 mm
90	200	135 ÷ 215	20 mm
100	145	135 ÷ 160	20 mm
100	150	135 ÷ 210	20 mm
100	155	135 ÷ 225	20 mm
100	160	135 ÷ 220	20 mm
100	165	135 ÷ 215	20 mm
100	170	135 ÷ 210	20 mm
100	170	135 ÷ 205	20 mm
100	180	135 ÷ 200	20 mm
100	185	135 ÷ 195	20 mm

ARM270

X°	A (mm)	B (mm)	C (mm)
90	150	170 ÷ 345	20 mm
90	155	170 ÷ 340	20 mm
90	160 ÷ 165	170 ÷ 335	20 mm
90	170	170 ÷ 330	20 mm
90	175 ÷ 180	170 ÷ 325	20 mm
90	185	170 ÷ 320	20 mm
90	190	170 ÷ 315	20 mm
90	195	170 ÷ 310	20 mm
90	200 ÷ 205	170 ÷ 305	20 mm
90	210	170 ÷ 300	20 mm
90	215	170 ÷ 295	20 mm
90	220 ÷ 225	170 ÷ 290	20 mm
100	175	170 ÷ 170	20 mm
100	180	170 ÷ 220	20 mm
100	185	170 ÷ 280	20 mm
100	190	170 ÷ 285	20 mm
100	195	170 ÷ 280	20 mm
100	200	170 ÷ 275	20 mm
100	205	170 ÷ 270	20 mm
100	210	170 ÷ 265	20 mm
100	215	170 ÷ 260	20 mm
100	220	170 ÷ 255	20 mm
100	225	170 ÷ 250	20 mm
110	210	170 ÷ 175	20 mm
110	215	170 ÷ 190	20 mm
110	220	170 ÷ 210	20 mm
110	225	170 ÷ 225	20 mm

ARM290

X°	A (mm)	B (mm)	C (mm)
90°	200	225 – 595	20
90°	210	225 – 585	20
90°	220	225 – 580	20
90°	230	225 – 570	20
90°	240	225 – 565	20
90°	250	225 – 555	20
90°	260	225 – 550	20
90°	270	225 – 545	20
90°	280	225 – 535	20
90°	290	225 – 530	20
90°	300	225 – 520	20
90°	310	225 – 515	20
90°	320	225 – 505	20
90°	330	225 – 500	20
90°	340	225 – 495	20
90°	350	225 – 490	20
90°	360	225 – 485	20
90°	370	225 – 475	20
90°	380	225 – 470	20
90°	390	225 – 460	20
90°	400	225 – 455	20
90°	410	225 – 450	20
90°	420	225 – 445	20
90°	430	225 – 435	20
90°	440	225 – 430	20
90°	450	225 – 420	20
100°	230	225 – 245	20
100°	250	225 – 480	20
100°	300	225 – 470	20
100°	350	225 – 430	20
100°	400	225 – 385	20
100°	450	225 – 345	20
125°	370	225 – 240	20
125°	400	225 – 265	20
125°	420	225 – 235	20

QUOTE DI
INSTALLAZIONE
PER MONTAGGIO
SU ANTE CON
APERTURA VERSO
L'ESTERNO

SIZES TO
INSTALL THE
OPERATOR
ON OUTDOOR
OPENING
LEAVES

EMPLACEMENT
POUR L'INSTALLA-
TION DU MOTEUR
SUR VANTAUX
OUVRANT VERS
L'EXTÉRIEUR

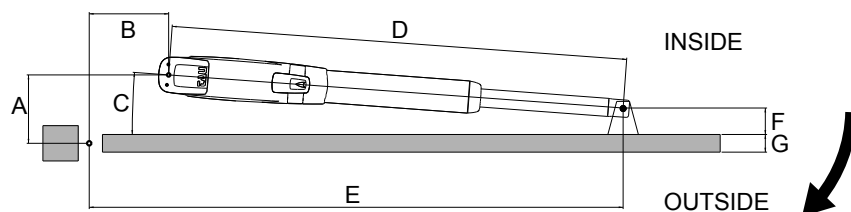
INSTALLA-
TIONSMÄÙE
FÜR DIE MONTA-
GE AUF FLÜGEL
MIT ÖFFNUNG
NACH AUßEN

MEDIDAS DE
INSTALACIÓN
PARA MONTAJE
EN HOJAS CON
APERTURA HA-
CIA EL EXTERIOR

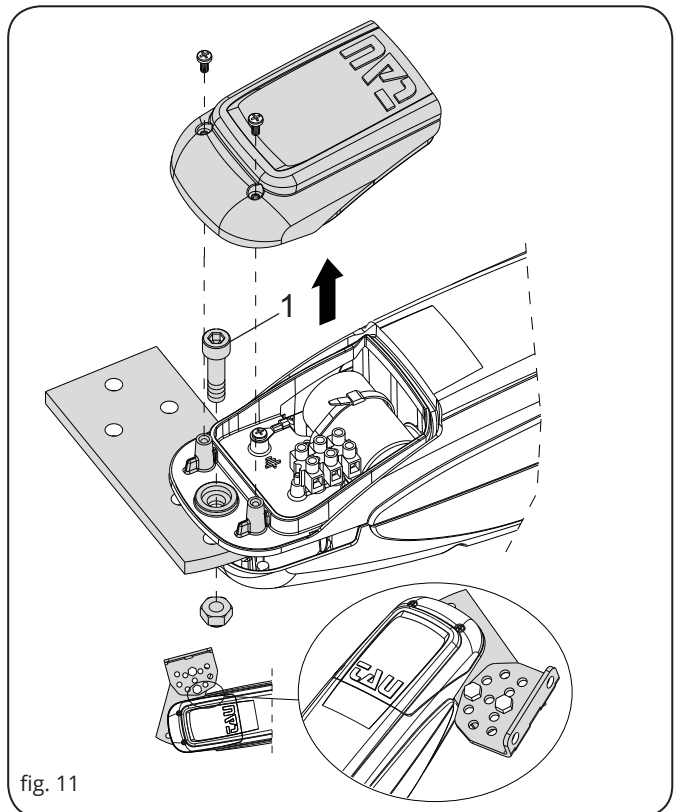
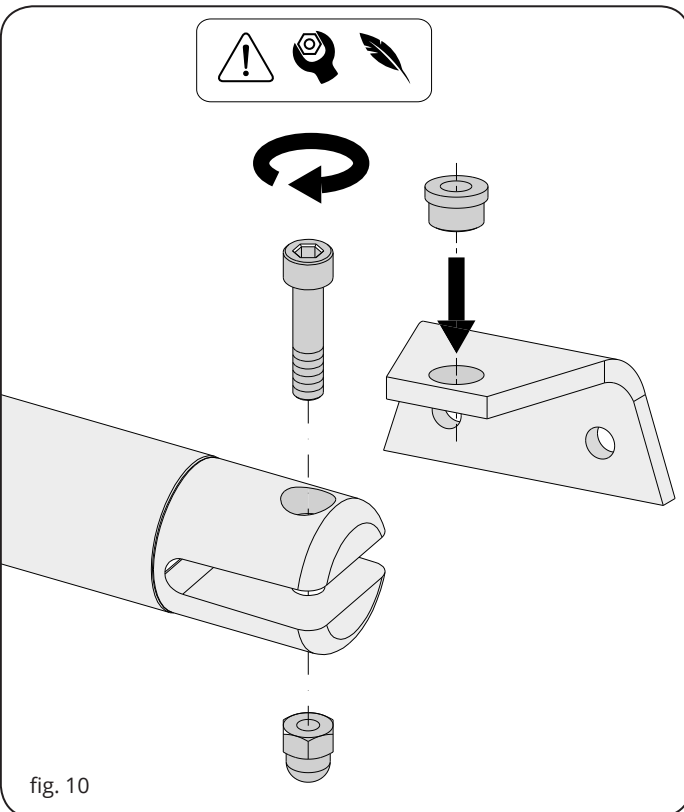
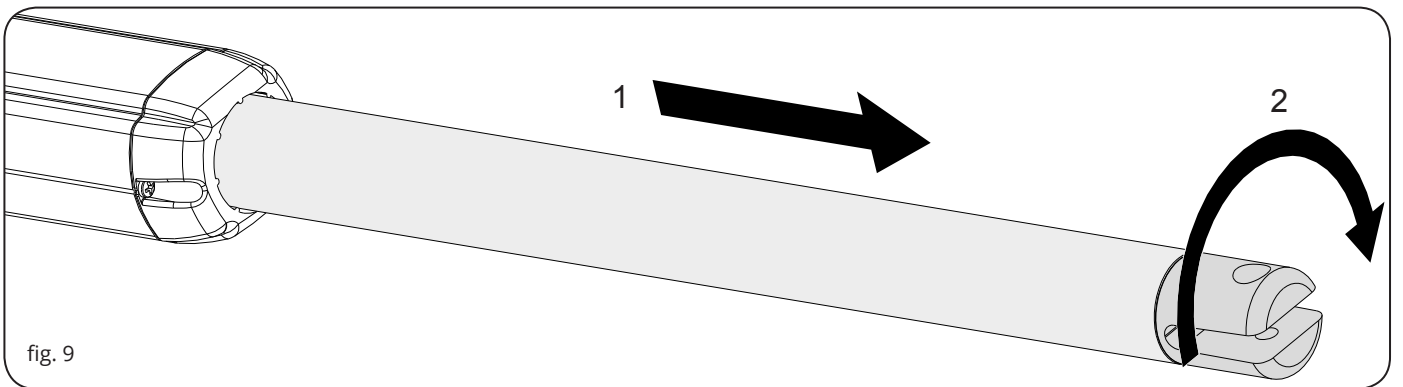
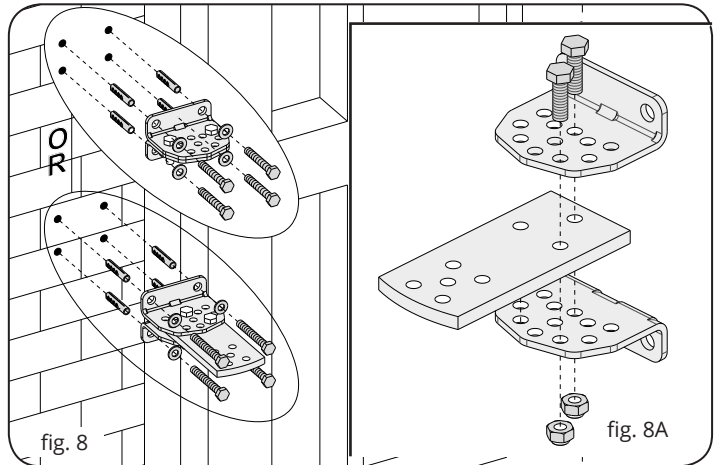
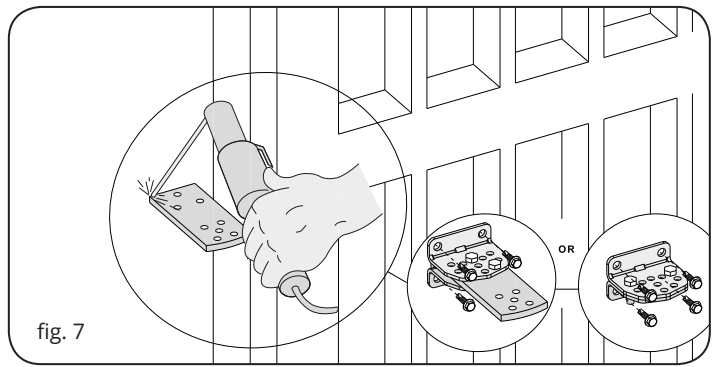
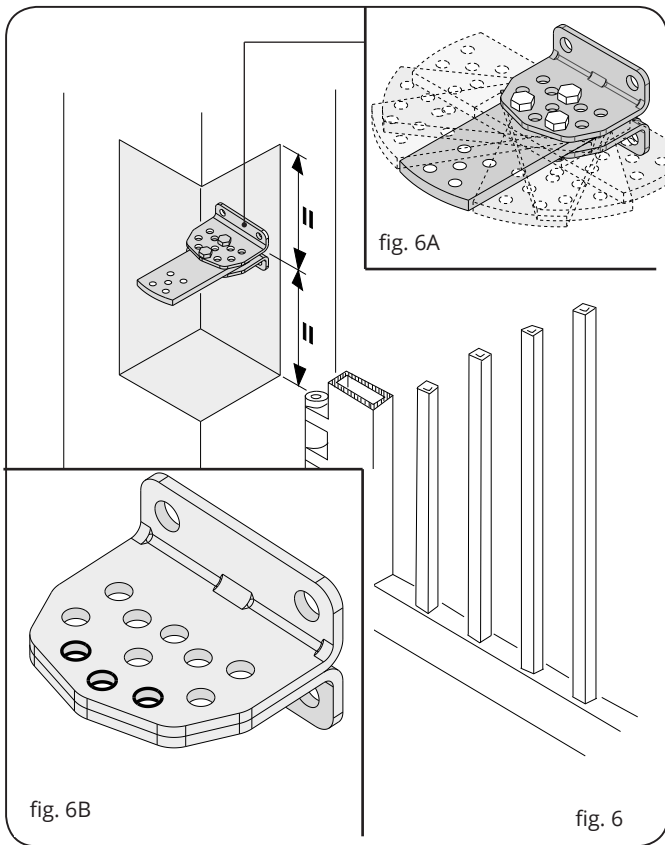
MEDIDAS DE
INSTALAÇÃO
PARA MONTA-
GEM DE PORTAS
COM ABERTURA
PARA FORA

fig. 5B

Example mounting: Opening
outwards
Esempio di montaggio per
apertura anta verso l'esterno.



TYPE	A	B	C	D	E	F	G
ARM225I - ARM225BI	125 mm	145 mm	3,3°	781 mm	925 mm	60 mm	40 mm
ARM250I - ARM250BI - ARM250BR	130 mm	145 mm	3,1°	931 mm	1075 mm	60 mm	40 mm
ARM270I - ARM270BI	155 mm	180 mm	4,2°	1032 mm	1210 mm	60 mm	40 mm



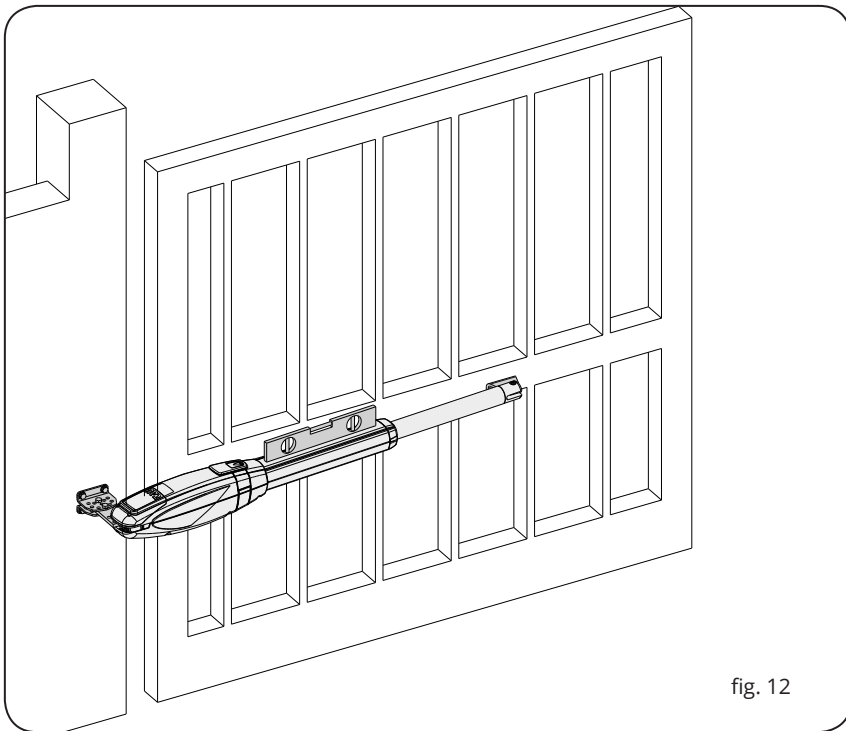


fig. 12

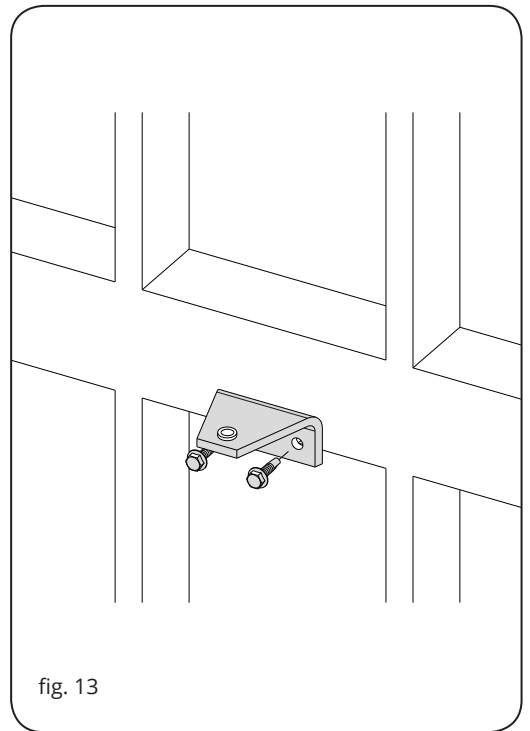


fig. 13

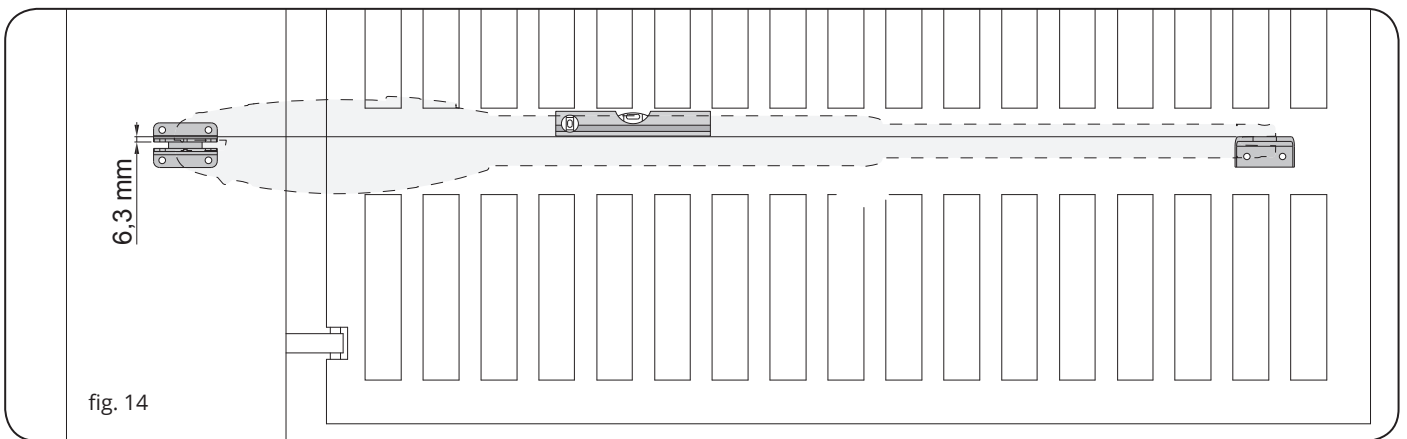


fig. 14

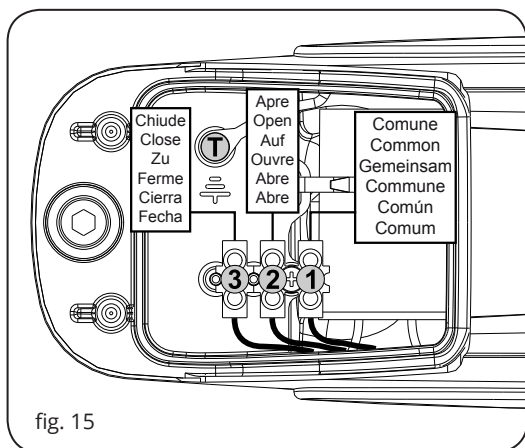


fig. 15

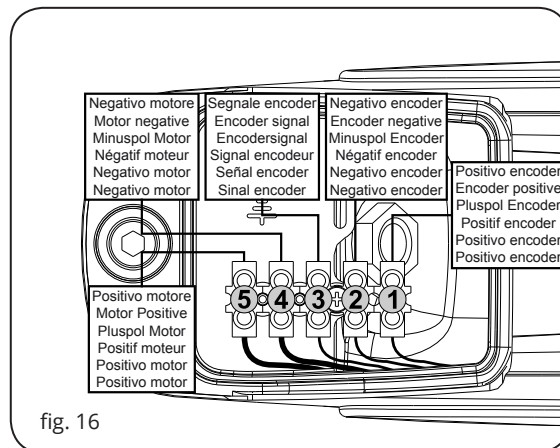


fig. 16

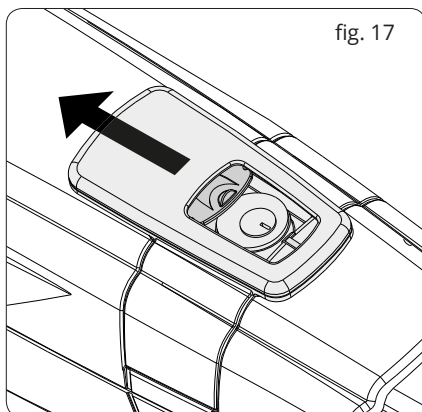


fig. 17

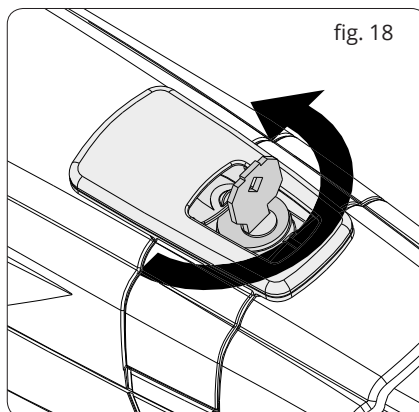


fig. 18

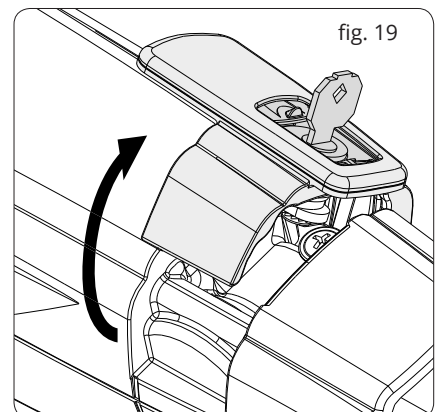


fig. 19

I dati riportati nel presente manuale sono puramente indicativi. La TAU si riserva il diritto di modificarli in qualsiasi momento. La Casa costruttrice si riserva il diritto di apportare modifiche o miglioramenti al prodotto senza alcun preavviso. Eventuali imprecisioni o errori riscontrabili nel presente fascicolo, saranno corretti nella prossima edizione.

All'apertura dell'imballo verificare che il prodotto sia integro. Riciclare i materiali secondo la normativa vigente.

L'installazione del prodotto dovrà essere effettuata da personale qualificato. La Ditta costruttrice Tau declina ogni responsabilità per danni derivanti a cose e/o persone dovuti ad un'eventuale errata installazione dell'impianto o la non messa a Norma dello stesso secondo le vigenti Leggi (vedi Direttiva Macchine).

The data described in this handbook are purely a guide. TAU reserves the right to change them in any moment.

The manufacturer reserves the right to modify or improve products without prior notice. Any inaccuracies or errors found in this handbook will be corrected in the next edition.

When opening the packing please check that the product is intact. Please recycle materials in compliance with current regulations.

This product may only be installed by a qualified fitter. The manufacturer declines all liability for damage to property and/or personal injury deriving from the incorrect installation of the system or its non-compliance with current law (see Machinery Directive).

Die beschriebenen Daten in der vorliegenden Betriebsanleitung sind rein indikativ. TAU behält sich vor, diese in jedem Moment zu modifizieren.

Der Hersteller behält sich das Recht vor, ohne vorherige Benachrichtigung Änderungen oder Verbesserungen am Produkt anzubringen. Ungenauigkeiten oder Fehler, die in der vorliegenden Ausgabe festgestellt werden, werden in der nächsten Ausgabe berichtigt.

Beim Öffnen der Verpackung prüfen, dass das Produkt keine Schäden aufweist. Die Materialien nach den gültigen Vorschriften recyceln.

Die Installation des Produktes muss von Fachpersonal ausgeführt werden. Die Herstellerfirma TAU übernimmt keinerlei Haftung für Personen- und/oder Sachschäden aufgrund einer falschen Installation der Anlage oder der Nichtkonformität derselben mit den gültigen Gesetzen (siehe Maschinenrichtlinie).

Les données décrites dans ce manual sont purement indicatives. La TAU se réserve le droit de les modifier à n'importe quel moment.

Le Constructeur se réserve le droit d'apporter des modifications ou des améliorations au produit sans aucun préavis. Les éventuelles imprécisions ou erreurs présentes dans ce fascicule seront corrigées dans la prochaine édition.

À l'ouverture de l'emballage, vérifiez que le produit est intact. Recycler les matériaux suivant les normes en vigueur.

L'installation du produit devra être effectuée par du personnel qualifié. Tau décline toute responsabilité pour les dommages aux choses et/ou personnes dus à une éventuelle installation erronée de l'automatisme ou à la non-mise aux normes suivant les lois en vigueur (voir Directive Machines).

Los datos descritos en este manual son puramente indicativos. La TAU se reserva el derecho de modificarlos en cualquier momento.

El Fabricante se reserva el derecho de modificar o actualizar el producto sin aviso previo. Posibles imprecisiones o errores en este manual serán corregidos en la próxima edición.

Cuando abra el embalaje, controle que el producto esté íntegro. Recicle los materiales según la normativa vigente.

La instalación del producto tiene que ser efectuada por personal cualificado. El Fabricante Tau no se asume ninguna responsabilidad por lesiones a personas o averías a cosas causadas por una instalación incorrecta del equipo o la por la inobservancia de la normativa vigente (véase Directiva de Máquinas).

Os dados descritos neste manual são puramente indicativos. A TAU reserva-se no direito de o modificar a qualquer momento. O fabricante reserva-se no direito de modificar ou actualizar o produto sem aviso prévio. Possíveis imprecisões ou erros neste manual serão corrigidos na próxima edição / revisão.

Ao abrir a embalagem certifique-se que o produto está intacto. Recicle os materiais segundo as normas em vigor.

Este producto só pode ser instalado por um técnico qualificado. O fabricante TAU declina qualquer responsabilidade por danos pessoais ou materiais resultantes de uma instalação incorrecta do equipamento ou a sua não conformidade com a norma vigente (Ver Directiva de Máquinas).

- A) Leggere attentamente le istruzioni prima di procedere all'installazione, in quanto forniscono importanti indicazioni concernenti la sicurezza, l'installazione, l'uso e la manutenzione. Una errata installazione o un errato uso del prodotto può portare a gravi danni alle persone.**
- B) I materiali dell'imballaggio (plastica, polistirolo, ecc.) non devono essere lasciati alla portata dei bambini in quanto potenziali fonti di pericolo.
- C) Conservare le istruzioni per riferimenti futuri.
- D) Questo prodotto è stato progettato e costruito esclusivamente per l'utilizzo indicato in questa documentazione. Qualsiasi altro utilizzo non espressamente indicato potrebbe pregiudicare l'integrità del prodotto e/o rappresentare fonte di pericolo.
- E) TAU declina qualsiasi responsabilità derivata dall'uso improprio o diverso da quello per cui l'automatismo è destinato.
- F) Non installare il prodotto in ambiente e atmosfera esplosivi.
- G) Gli elementi costruttivi meccanici devono essere in accordo con quanto stabilito dalle Norme EN 12604 e EN 12605. Per i Paesi extra-CEE, oltre ai riferimenti normativi nazionali, per ottenere un livello di sicurezza adeguato, devono essere seguite le Norme sopra riportate.
- H) TAU non è responsabile dell'inosservanza della Buona Tecnica nella costruzione delle chiusure da motorizzare, nonché delle deformazioni che dovessero intervenire nell'utilizzo.
- I) L'installazione deve essere effettuata nell'osservanza delle Norme EN 12453 e EN 12445. Il livello di sicurezza dell'automazione deve essere C+D.
- J) Prima di effettuare qualsiasi intervento sull'impianto, togliere l'alimentazione elettrica e scollegare le batterie.
- K) Prevedere sulla rete di alimentazione dell'automazione un interruttore onnipolare con distanza d'apertura dei contatti uguale o superiore a 3 mm. È consigliabile l'uso di un magnetotermico da 6A con interruzione onnipolare.
- L) Verificare che a monte dell'impianto vi sia un interruttore differenziale con soglia da 0,03 A.
- M) Verificare che l'impianto di terra sia realizzato a regola d'arte e collegarvi le parti metalliche della chiusura.
- N) L'automazione dispone di una sicurezza intrinseca antischiacciamento costituita da un controllo di coppia. E' comunque necessario verificarne la soglia di intervento secondo quanto previsto dalle Norme indicate al punto I.
- O) I dispositivi di sicurezza (norma EN 12978) permettono di proteggere eventuali aree di pericolo da Rischi meccanici di movimento, come ad Es. schiacciamento, convogliamento, cesoiamento.
- P) Per ogni impianto è consigliato l'utilizzo di almeno una segnalazione luminosa nonché di un cartello di segnalazione fissato adeguatamente sulla struttura dell'infisso, oltre ai dispositivi citati al punto O.
- Q) Il costruttore dell'automazione declina ogni responsabilità qualora vengano installati componenti incompatibili ai fini della sicurezza e del buon funzionamento. Per l'eventuale riparazione o sostituzione dei prodotti dovranno essere utilizzati esclusivamente ricambi originali.
- R) Per la manutenzione utilizzare esclusivamente parti originali TAU.
- S) Non eseguire alcuna modifica sui componenti facenti parte del sistema d'automazione.
- T) L'installatore deve fornire tutte le informazioni relative al funzionamento manuale del sistema in caso di emergenza e consegnare all'Utente utilizzatore dell'impianto la "Guida Utente" allegata al prodotto.
- U) Non permettere ai bambini o persone di sostare nelle vicinanze del prodotto durante il funzionamento.
- W) Tenere fuori dalla portata dei bambini radiocomandi o qualsiasi altro datore di impulso, per evitare che l'automazione possa essere azionata involontariamente.
- X) Il transito tra le ante deve avvenire solo a cancello completamente aperto.
- Y) L'Utente utilizzatore deve astenersi da qualsiasi tentativo di riparazione o d'intervento diretto e rivolgersi solo a personale qualificato.
- Z) Tutto quello che non è previsto espressamente in queste istruzioni non è permesso.

Consigliamo di riporre tutta la documentazione relativa all'impianto all'interno o nelle immediate vicinanze della centralina.

IMPORTANT NOTICE FOR THE INSTALLER - GENERAL SAFETY REGULATIONS

English

- A) Please read these instructions carefully before installing the product as they contain important information concerning safety, installation, use and maintenance. Incorrect installation or incorrect use of the product could cause serious harm to people.**
- B) Do not leave packing materials (plastic, polystyrene, etc.) within reach of children as such materials are potential sources of danger.
- C) Store these instructions for future reference.
- D) This product was designed and built strictly for the use indicated in this documentation. Any other use, not expressly indicated here, could compromise the good condition/operation of the product and/or be a source of danger.
- E) TAU declines all liability caused by improper use or use other than that for which the automated system was intended.
- F) Do not install the product in explosive environments.
- G) The mechanical parts must conform to the provisions of Standards EN 12604 and EN 12605. For non-EU countries, to obtain an adequate level of safety, the Standards mentioned above must be observed, in addition to national legal regulations.
- H) TAU is not responsible for failure to observe Good Technique in the construction of the closing elements to be motorised, or for any deformation that may occur during use.
- I) The installation must conform to Standards EN 12453 and EN 12445. The safety level of the automated system must be C+D.
- J) Before attempting any job on the system, cut out electrical power and disconnect the batteries.
- K) The mains power supply of the automated system must be fitted with an all-pole switch with contact opening distance of 3mm or greater. Use of a 6A thermal breaker with all-pole circuit break is recommended.
- L) Make sure that a differential switch with threshold of 0.03 A is fitted upstream of the system.
- M) Make sure that the earthing system is perfectly constructed, and connect metal parts of the means of the closure to it.
- N) The automated system is supplied with an intrinsic anti-crushing safety device consisting of a torque control. Nevertheless, its tripping threshold must be checked as specified in the Standards indicated at point "I".
- O) The safety devices (EN 12978 standard) protect any danger areas against mechanical movement Risks, such as crushing, dragging, and shearing.
- P) Use of at least one indicator-light is recommended for every system, as well as a warning sign adequately secured to the frame structure, in addition to the devices mentioned at point "O".
- Q) The manufacturer declines all liability if incompatible safety and components are installed. Only use original spare parts to repair or replace the product.
- R) For maintenance, strictly use original parts by TAU.
- S) Do not in any way modify the components of the automated system.
- T) The installer shall supply all information concerning manual operation of the system in case of an emergency, and shall hand over to the user the "User Guide" supplied with the product.
- U) Do not allow children or adults to stay near the product while it is operating.
- W) Keep remote controls or other pulse generators away from children, to prevent the automated system from being activated involuntarily.
- X) Transit through the leaves is allowed only when the gate is fully open.
- Y) The user must not attempt any kind of repair or direct action whatever and contact qualified personnel only.
- Z) Anything not expressly specified in these instructions is not permitted.

Keep all the documents concerning the system inside or near the central control unit.

CARATTERISTICHE TECNICHE DELLA SERIE ARM200 / TECHNICAL CHARACTERISTICS OF THE ARM200 SERIES / TECHNISCHE EIGENSCHAFTEN DER SERIE ARM200 / CARACTÉRISTIQUES TECHNIQUES DE LA SÉRIE ARM200 / CARACTERÍSTICAS TÉCNICAS DE LA SERIE ARM200 / CARACTERÍSTICAS TÉCNICAS DA SÉRIE ARM200

	ARM225I	ARM250I	ARM270I
Alimentazione / Power input / Versorgung / Alimentation / Alimentación / Alimentação	230V AC ±10% (50/60 Hz)		
Alimentazione Motore / Motor power input / Motorversorgung / Alimentation Moteur / Alimentación motor / Alimentação motor	230V AC ±10%		
Condensatore / Capacitor / Kondensator Condensateur / Condensador / Condensador	10 µf		
Corrente assorbita a vuoto / Absorbed current (no load) / Stromaufnahme (ohne Last) / Courant absorbé (à vide) / Corriente absorbida (en vacío) / Corrente absorvida (em vazio)	1 A ± 10%		
Potenza assorbita a vuoto / Absorbed power (no load) / Leistungsaufnahme (ohne Last) / Puissance absorbée (à vide) / Potencia absorbida (en vacío) / Potência absorvida (em vazio)	120 W		
Velocità motore (a vuoto) / Motordrehzahl (leer) / Motor speed (no load) / Vitesse moteur (à vide) / Velocidad motor (en vacío) / Velocidade do motor (em vazio)	950 rpm		
Corsa utile / Useful travel / Arbeitshub / Course utile / Carretra útil / Curso útil	290 mm	425 mm	530 mm
Intervento di termoprotezione / Thermal protection trips at / Auslösung des Wärmeschutzes / Intervention protection thermique / Intervención de termoprotección / Protecção térmica do motor	160 °C (autoreset)		
Lunghezza max anta / Max length of leaf / Max. Flügelänge / Longueur max. battant / Longitud máx. hoja / Largura máxima da folha	3000 mm	4000 mm	5000 mm
Rapporto di riduzione / Reduction ratio / Untersetzungsverhältnis / Rapport de réduction Relación de reducción / Rácio de redução	1/24		
Temperatura di esercizio / Operating temperature / Betriebstemperatur / Température de fonctionnement / Temperatura de ejercicio / Temperatura de trabalho	-20 °C ÷ +55 °C		
Peso / Weight / Gewicht / Poids / Peso / Peso	7,8 Kg	8,1 Kg	10,4 Kg
IP Motore / Motor IP / Schutzart des Motors (IP) / IP Moteur / IP Motor / Grau de protecção (IP)	IP 44		
Spinta max. / Max. thrust / Max. Schub / Poussée max. / Empuje máx. / Impulso máximo	2300 N		
Ciclo di lavoro / Work cycle / Arbeitszyklus / Cycle de travail / Ciclo de trabajo / Factor de serviço	36 %		
Tempo corsa 90° / 90° travel time / Laufzeit, 90° / Temps de course 90° / Tiempo recorrido 90° / Tempo de curso para 90°	20 sec.	25 sec.	34 sec.

Nota: quando il sistema in 12V DC è alimentato unicamente dalla batteria (in caso di black-out oppure in abbinamento con pannello fotovoltaico), le prestazioni espresse dal motoriduttore (forza e velocità) si riducono del 30% ca.

Note: when the system is in the 12V DC mode and is powered by the battery only (in the event of a power failure or when used in conjunction with a photovoltaic panel), the gear motor's output (power and speed) is reduced by approximately 30% .

Anmerkung: wenn das 12V DC System nur über Batterie gespeist ist (bei stromausfall oder in kombination mit einem Photovoltaicpaneel), verringern sich die leistungen des Getriebemotors (Kraft und Geschwindigkeit) um ca. 30%.

Attention : quand le système à 12 vcc est alimenté uniquement par la batterie (en cas de coupure de courant ou bien en association avec un panneau photovoltaïque), les performances du motoréducteur (force et vitesse) diminuent d'environ 30% .

Nota: cuando el sistema de 12 vdc es alimentado únicamente por la batería (en caso de corte de corriente, o bien combinado con panel fotovoltaico), las prestaciones del motorreductor (fuerza y velocidad) se reducen en un 30%.

Nota : Quando o sistema de 12VDC é alimentado unicamente pela bateria (em caso de falha de corrente ou quando usado em combinação com painel fotovoltaico) as prestações do motor (velocidade e força) reduzem-se aproximadamente em 30%.

Alimentazione / Power input / Versorgung / Alimentation / Alimentación / Alimentação	230V AC ±10% (50/60 Hz)				
Alimentazione Motore / Motor power input / Motorversorgung / Alimentation Moteur / Alimentación motor / Alimentação motor	18V DC ±10%			24 V DC ±10%	
Condensatore / Capacitor / Kondensator / Condensateur / Condensador / Condensador	-				
Corrente assorbita a vuoto / Absorbed current (no load) / Stromaufnahme (ohne Last) / Courant absorbé (à vide) / Corriente absorbida (en vacío) / Corrente absorvida (em vazio)	1,1 A ± 10%			1 A ± 10%	
Potenza assorbita a vuoto / Absorbed power (no load) / Leistungsaufnahme (ohne Last) / Puissance absorbée (à vide) / Potencia absorbida (en vacío) / Potência absorvida (em vazio)	120 W				
Velocità motore (a vuoto) / Motordrehzahl (leer) / Motor speed (no load) / Vitesse moteur (à vide) / Velocidad motor (en vacío) / Velocidade do motor (em vazio)	1850 rpm				
Corsa utile / Useful travel / Arbeitshub / Course utile / Carretra útil / Curso útil	290 mm	425 mm	530 mm	853 mm	425 mm
Intervento di termoprotezione / Thermal protection trips at / Auslösung des Wärmeschutzes / Intervention protection thermique / Intervención de termoprotección / Protecção térmica do motor	-				
Lunghezza max anta / Max length of leaf / Max. Flügelänge / Longueur max. battant / Longitud máx. hoja / Largura máxima da folha	3000 mm	4000 mm	5000 mm	6000 mm	3000 mm
Rapporto di riduzione / Reduction ratio / Untersetzungsverhältnis / Rapport de réduction / Relación de reducción / Rácio de redução	1/24				
Temperatura di esercizio / Operating temperature / Betriebstemperatur / Température de fonctionnement / Temperatura de ejercicio / Temperatura de trabalho	-20 °C ÷ +55 °C				
Peso / Weight / Gewicht / Poids / Peso / Peso	7,8 Kg	8,1 Kg	10,4 Kg	12,3 Kg	7,8 Kg
IP Motore / Motor IP / Schutzart des Motors (IP) / IP Moteur / IP Motor / Grau de protecção (IP)	IP 44				
Spinta max. / Max. thrust / Max. Schub / Poussée max. / Empuje máx. / Impulso máximo	2600 N				
Ciclo di lavoro / Work cycle / Arbeitzyklus / Cycle de travail / Ciclo de trabajo / Factor de serviço	100 %				
Tempo corsa 90° / 90° travel time / Laufzeit, 90° / Temps de course 90° / Tiempo recorrido 90° / Tempo de curso para 90°	12 sec.	12,5 sec.	13 sec.	21 sec. *	9 sec.

- * regolabile tramite Tauprog
- * adjustable through Tauprog
- * einstellbar durch Tauprog
- * réglable par le biais du Tauprog
- * ajustable a través de Tauprog
- * ajustável através de Tauprog

Nota: in presenza di cancelli ad ante battenti cieche, prevedere l'installazione di un'elettroserratura sia per la tenuta in chiusura che per la salvaguardia del prodotto.

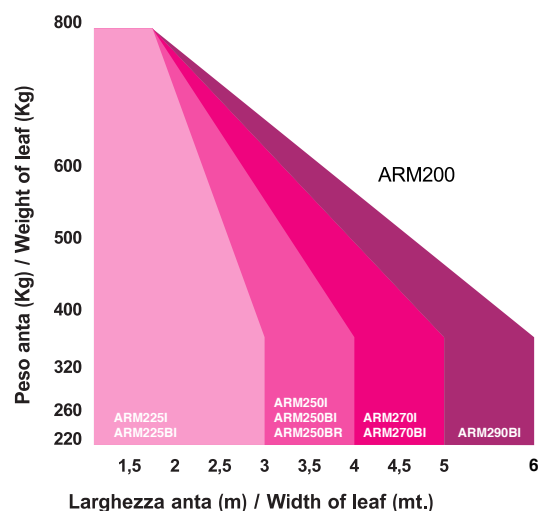
Note: in case of closed design gate leaves an electro lock must be installed to avoid major damages.

Anmerkung: Bei Toren mit kompletter- bzw. teilflächiger Füllung ist ein Elektroschloss erforderlich.

Note: en présence de portails à vantaux pleins, nous recommandons de prévoir l'installation d'une serrure électrique, soit pour garder la fermeture bien serrée soit pour la protection du produit.

Nota: con hojas totalmente ciegas instalar un electro-cierre para evitar daños al accionador.

Nota: Na presença de portões completamente chapeados instalar uma fechadura eléctrica para evitar danos ao actuador.



1. DESCRIPTION

The **ARM200** automated system for swing gates is an electro-mechanical non-reversing actuator that transmits motion to the leaf via a worm screw system.

The actuator is available in more versions in 18V DC and 230V AC.

The non-reversing system ensures the leaf is mechanically locked when the motor is not operating, but it is not intended as a high degree security deterrent against intrusion attempts and/or tampering. A convenient and safe release system with customised key makes it possible to manually move the leaf in the event of a malfunction or of a power failure.

ATTENTION:



In the absence of a mechanical clutch, the use of a control unit with an adjustable electronic clutch, or the installation of a sensitive edge, is required in order to ensure crush-proof safety.



The ARM200 automated system was designed and built for controlling vehicle access. It is not intended as a high degree security deterrent against intrusion attempts and/or tampering. Avoid any other use whatever.

2. ACTUATOR PARTS (fig.1)

Pos.	Description	Pos.	Description
1	Actuator	4	Wing connection bracket
2	Release device	5	Rear bracket
3	Rod	6	Terminal board cover

3. DIMENSIONS (fig.2)

4. INSTALLATION (fig.3)

Electrical set-up (standard system - ARM200)

Pos.	Description	Cables
1	Attuatore	4x1,5 mm ²
2	Control unit	3x1,5 mm ² (power supply)
3	TX photocells	4x0,5 mm ²
4	RX photocells	2x0,5 mm ²
5	Key-operated selector switch	3x0,5 mm ²
6	Flashing light and aerial	2x1 mm ² + 1RG58
7	Mechanical stops	-

Electrical set-up (standard system - ARM200BI/BR)

Pos.	Description	Cables
1	Attuatore	2x2,5 mm ² + 3x0,5 mm ²
2	Control unit	3x1,5 mm ² (power supply)
3	TX photocells	4x0,5 mm ²
4	RX photocells	2x0,5 mm ²
5	Key-operated selector switch	3x0,5 mm ²
6	Flashing light and aerial	2x1 mm ² + 1RG58
7	Mechanical stops	-

Notes:

- Use suitable tubes and/or hoses to lay electric cables
- Choose short routes for cables and keep power cables separate from control cables.

Preliminary checks

Prior to installing the automation, make all structural modifications in order to ensure safety distances and protect and segregate areas in which people may be exposed to the risk of crushing, shearing, dragging or similar dangers.

- Make sure the existing structure is sufficiently sturdy and stable;
- the mechanical parts must conform to the provisions of Standards EN 12604 and EN 12605;
- leaf length in compliance with the actuator specifications;
- regular and uniform movement of the leaves, without any friction and dragging during their entire travel;
- stiff hinges in good conditions;
- presence of both opening and closing mechanical limit stops;
- presence of an efficient earthing for electrical connection of the actuator.

Perform any necessary metalwork job before installing the automated system.

The condition of the gate structure directly affects the reliability and safety of the automated system.

ARRANGEMENT OF WALL INTERVENTIONS (fig.4)

INSTALLATION DIMENSIONS (FIG.5)

When measurement "C" is greater/smaller than 20 mm, increase/diminish measurement "B" by the difference (e.g.: if C= 25mm, increase "B" by 5mm), making sure that it does not exceed the limits shown in the table.



Note: to work correctly, the angle formed by the actuator and the gate (Y° fig. 5) must be > 3° (ARM225 - ARM250) and > 4° (ARM270 - ARM290BI) both with the gate completely closed and completely open.



Note: for a quick opening and optimum closed-holding position (gates with an electrical lock), use the maximum dimension "B" shown in the tables.

If the pillar dimensions or the hinge position do not allow the installation of the actuator, a niche on the pillar, as shown in **Fig. 6**, should be created in order to maintain the A dimension as determined. The niche should be dimensioned in such a way to enable easy installation, actuator rotation and operation of the release device. The mounting brackets are designed to enable small adjustments in both directions (**fig. 6A**), it is possible to use the two multipoint brackets overlapped (**pict. 6B**: in this case the only holes to be used are the 3 highlighted, according to the direction of the leaf movement). In any case, always refer to the measurements shown in the table. Please keep to the values given in the table and oil the gate's hinges.

- 1_ Fix the rear bracket in the position determined before. In the event of iron pillar carefully weld directly the bracket or use n°4 suitable screws (**fig. 7**). In the event of brick pillar (**fig. 8**), use n°4 suitable bolts (after you have assembled it, **fig. 8A**).

During the fastening operations, check if the bracket is perfectly horizontal by means of a level.



WARNING - In case of large gate leaves and /or closed design leaves other than the installation of an electro lock it is suggested to strengthen the fastening of the back bracket (weld the steel parts instead of using screws to assemble the bracket, use steel anchors instead of the dowels, weld the bracket onto the pillar, etc.).

- 2_ Set the operator for manual operation (see paragraph **MANUAL RELEASE**).
- 3_ Completely extend the rod till it reaches the limit stop (**1 fig. 9**).
- 4_ Lock the operator again (see paragraph **RESTORING NORMAL OPERATION**).
- 5_ Turn the rod clockwise half a revolution (**2 fig. 9**).
- 6_ Assemble the front bracket as shown in **fig. 10**. Fasten the screw using the special nut and insert the self-lubricating bushing into the bracket as shown on **Fig. 10**.
- 7_ After removing the terminal board cover, anchor the actuator to the rear bracket using the screw and nut supplied (see **1 fig. 11**); **ATTENTION: The actuator can be moved by hand only if it is installed on the gate and in released position (see paragraph MANUAL RELEASE).**



ATTENTION: carefully verify that, when gate is closed, the actuator's rear do not touch the bracket (see **fig. 11). If so adjust the setting accordingly.**

- 8_ Check measurement "L" according to the table (**fig. 5**).
- 9_ rest the bracket that has just been fixed, onto the wing of the completely closed gate and mark the fixing points (make sure it is level, see **fig. 12**).

Before going on to the next phase please carry out the following test:

- 10_ Release the actuator (see paragraph **MANUAL RELEASE**) and manually check if the gate can completely open without hindrances and stop at the mechanical travel stoppers (floor-mounted mechanical stoppers) as well as if the leaf moves regularly without any friction.
- 11_ Carry out the necessary corrective measures and repeat from point 10. Manually open the gate to the maximum required angle;
- 12_ Tighten the arm until the front bracket finds itself over the position just marked on the gate.

If the small bracket does cover the position marked it means installation has been done correctly.

This method can be used to establish where the small bracket will have to be welded for each opening angle (X°) required provided it is possible (parameters A and B and the actuator's useful travel permitting).

- 13_ fasten the gate mounting bracket in the position indicated (**fig. 13**), referring to the dimensions shown in **fig. 14** and ensuring the planarity of the assembly.



Note: if the gate structure does not allow a fix bracket fastening it is necessary to create a sturdy supporting base in the gate structure.



Note: for complete safety, the mechanical stops with rubber cap (floor stops) must be fitted in opening and closing of the gate (7 fig. 3), in order that they intervene just before the mechanical piston stops.

5. WIRING THE ACTUATOR

A terminal board is fitted in the lower part of the actuator for the connection of the motor, of any limit switch and for the earthing of the actuator. (**fig. 15-16**).

Connect the motor and the earthing with reference to **fig. 15-16** and to the table.

ARM200 - 230V AC		
POS.	COLOR	DESCRIPTION
1	Blue	Common cable
2	Brown	Phase 1
3	Black	Phase 2
T	Yellow / Green	Earthing

Connect up the condenser in parallel to the 2 phases of the motor (terminals 2 and 3). Warning! Do not short-circuit the two wires as this may cause discharges because of the current remaining in the wires. Use control units with torque limiting device only.

ARM200BI - ARM200BR - 18/24V DC		
POS.	COLOR	DESCRIPTION
1	Brown	Encoder positive
2	Blue	Encoder negative
3	White	Encoder signal
4	Black	Motor negative
5	Red	Motor positive

Only use control units fitted with an electric clutch.

The distance between the control unit and the motor must not exceed 10 - 12 m.

TAU srl recommends its composite cable, Code **M-03000010CO**;



Place the control unit (external versions) in the immediate vicinity of the motors.



Be careful not to run cables for auxiliary devices inside raceways housing other cables supplying power to large loads or lights with electronic starters.



In the event control pushbuttons or indicator lights are installed inside homes or offices several metres from the actual control unit, it is advisable to decouple the signal by means of a relay in order to avoid induced interference.

6. START-UP

Carefully observe points 10, 11, 12, 13 and 14 of the SAFETY GENERAL RULES.

With reference to the indications in fig.3 and in the table (see paragraph **INSTALLATION**), set the ducts and carry out the electrical connections of the control board and of the chosen accessories.

Choose short routes for cables and keep power cables separate from control cables.

- 1) Power the system and check the status of the LED's according to the control unit instructions.
- 2) Program the control board according to the needs by following the given instructions.

7. TESTING THE AUTOMATED SYSTEM

- Carefully check operating efficiency of the automated system and of all accessories connected to it, paying special attention to the safety devices.
- Hand the "User Guide" to the final user together with the Maintenance register.
- Explain correct operation and use of the automated system to the user.
- Indicate the potentially dangerous areas of the automated system to the user.

8. MANUAL RELEASE

If the automated system needs to be moved manually due to a power lack or to an actuator malfunction, proceed as follows:

- 1_ Cut power by means of the safety circuit breaker (even in the event of a power lack).
- 2_ Slide the protective cap, *fig.17*;
- 3_ Insert the key and turn it 90°, *fig.18*.
- 4_ As shown in *fig.19*, rotate the release lever upward in order to release the actuator.
- 5_ Open or close the leaf manually.



Note: To hold the actuator in manual operation the release device should be left in its current positions and the system should be without power.

9. RESTORING NORMAL OPERATION

To restore normal operating conditions, proceed as follows:

- 1_ Lock the release lever by rotating it downward.
- 2_ Turn 90° the release key and remove it.
- 3_ Close the protection cover.
- 4_ Power up the system and perform some movements in order to check the correct restoring of every function of the automated system.

10. USE

Actuators ARM225I - ARM225BI, ARM250I - ARM250BI - ARM250BR and ARM270I - ARM270BI - ARM290BI are designed to move gates with a maximum length of, respectively, 3.0, 4.0, 5.0 and 6.0 metres.

It is expressly **forbidden to use the device for any other purposes or under any other circumstances other than those mentioned**. The electronic control unit (**which must be fitted with an electric clutch**) allows the following functions to be selected:

automatic : a command impulse opens and shuts the gate

semiautomatic : a command impulse opens or shuts the gate.

In the event of a power failure, the gate may be moved manually by activating the "manual release" device. Mod. ARM200BENC can be powered by a buffer battery and is able to perform at least 15 complete cycles (open and close) on its own.

This is an electrically powered automatic device and should therefore be used with care. In particular:

- do not touch with wet hands and/or wet or bare feet;
- disconnect the power supply before opening the control box and/or the actuator;
- do not pull the plug out by its cable;
- do not touch the motor unless you are certain it is cool;
- only operate the gate when it is completely visible;
- carry out routine maintenance;

11. MAINTENANCE

To ensure trouble-free operation and a constant safety level, an overall check of the system should be carried out every 6 months. A form for recording operations has been included in the "User Guide" booklet.

Switch off the mains power supply to eliminate the risk of electrocution. If the power supply must be left on for certain operations, each control device should be checked or disabled (remote controls, push button strips, etc.) except for the one used by the maintenance man. The ARM200 / ARM200BENC actuators need very little maintenance. However, as the gate must be in good working order for them to work properly, the operations required to keep it in perfect condition are described below.

Routine maintenance

Each of the following operations must be carried out every 6 months for domestic use (approx. 3000 work cycles) and every 2 months for intensive use such as blocks of flats (always 3000 work cycles).



WARNING: In the event installation is to take place in areas exposed to a great deal of sea spray and/or sand (maritime regions, desert zones, etc.), maintenance will need to be performed at shorter intervals, every 2/3 months.

Gate:

- lubricate and grease the hinges of the gate.

Automation system:

- check the safety devices (photocells, pneumatic edge, etc.) work according to the manufacturer's instructions;
- grease (with a greaser) the worm screw from underneath the actuator (see fig.12); TAU srl recommends using the complex lithium soap grease produced by SYNECO.
- use a tester for lead-acid batteries to check whether the battery is charged; if it needs replacing use an original battery and recycle the flat one in compliance with current legislation (alternatively, TAU srl recommends using FIAMM batteries).



Note: with use, a thin line of oxide may form on the actuator stem. This is due to the materials addition when welding the tube/stem. However, in NO WAY does this affect the quality or normal operation of the gearmotor. We recommend the stem be cleaned regularly using special products for stainless steel.

Extraordinary maintenance or breakage

If major work on electromechanical parts must be carried out, the faulty component should be removed and repaired in the workshop by the maker's or other authorised technicians.

Keep all the documents concerning the system inside or near the control unit.

12. SPECIAL APPLICATIONS

There is no special application other than the described use.

13. NOISE LEVELS

Airborne noise generated by the gearmotor in normal operating conditions is constant and does not exceed 70 dB.

14. GUARANTEE: GENERAL CONDITIONS

TAU guarantees this product for a period of 24 months from the date of purchase (as proved by the sales document, receipt or invoice). This guarantee covers the repair or replacement at TAU's expense (ex-works TAU: packing and transport at the customer's expense) of parts that TAU recognises as being faulty as regards workmanship or materials. For visits to the customer's facilities, also during the guarantee period, a "Call-out fee" will be charged for travelling expenses and labour costs.

The guarantee does not cover the following cases:

- If the fault was caused by an installation that was not performed according to the instructions provided by the company inside the product pack.
- If original TAU spare parts were not used to install the product.
- If the damage was caused by an Act of God, tampering, overvoltage, incorrect power supply, improper repairs, incorrect installation, or other reasons that do not depend on TAU.
- If a specialised maintenance man does not carry out routine maintenance operations according to the instructions provided by the company inside the product pack.
- Wear of components.

The repair or replacement of pieces under guarantee does not extend the guarantee period. In case of industrial, professional or similar use, this warranty is valid for 12 months.

**DICHIARAZIONE DI INCORPORAZIONE DEL COSTRUTTORE
(ai sensi della Direttiva Europea 2006/42/CE All. II.B)**

Fabbricante:
Indirizzo:

TAU S.r.l.
Via E. Fermi, 43 - 36066 Sandrigo (Vi) - ITALIA

Dichiara sotto la propria responsabilità che il prodotto: *Attuatore elettromeccanico per uso in ambiente: Residenziale / Condominiale*

realizzato per il movimento automatico di: *Cancelli a Battente completo di:* -

Modello: ARM200
Numero di serie: VEDI ETICHETTA ARGENTATA

Tipo: ARM225I / ARM225BI / ARM250I / ARM250BI / ARM250BR / ARM270I / ARM270BI
Denominazione commerciale: AUTOMAZIONE PER CANCELLI A BATTENTE

È realizzato per essere incorporato su una chiusura (*cancello a battente*) o per essere assemblato con altri dispositivi al fine di movimentare una tale chiusura per costituire una macchina ai sensi della Direttiva Macchine 2006/42/CE.

Dichiara inoltre che questo prodotto è conforme ai requisiti essenziali di sicurezza delle seguenti ulteriori direttive CEE:

- 2014/35/EU *Direttiva Bassa Tensione*

- 2014/30/EU *Direttiva Compatibilità Elettromagnetica*

ed, ove richiesto, alla Direttiva: - 2014/53/EU *Apparecchiature Radio e apparecchiature terminali di telecomunicazione*

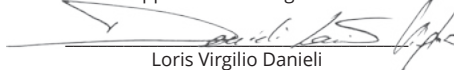
Dichiara inoltre che **non è consentito mettere in servizio il macchinario** fino a che la macchina in cui sarà incorporato o di cui diverrà componente sia stata identificata e ne sia stata dichiarata la conformità alle condizioni della Direttiva 2006/42/CE.

Sono applicate le seguenti norme e specifiche tecniche: EN 61000-6-2; EN 61000-6-3; EN 60335-1; EN 12453:2000; EN 12445:2000; EN 60335-2-103.

Si impegna a trasmettere, su richiesta adeguatamente motivata delle autorità nazionali, informazioni pertinenti sulle quasi-macchine.

Sandrigo, 31/07/2017

Il Rappresentante Legale



Loris Virgilio Danieli

Nome e indirizzo della persona autorizzata a costituire la documentazione tecnica pertinente:

Loris Virgilio Danieli - via E. Fermi, 43 - 36066 Sandrigo (Vi) Italia

**MANUFACTURER'S DECLARATION OF INCORPORATION
(in accordance with European Directive 2006/42/EC App. II.B)**

Manufacturer:
Address:

TAU S.r.l.
Via E. Fermi, 43 - 36066 Sandrigo (Vi) - ITALY

Declares under its sole responsibility, that the product: *Electromechanical actuator for use in a: Residential / Communities*

designed for automatic movement of: *Swing Gates complete with:* -

Model: ARM200
Serial number: SEE SILVER LABEL

Type: ARM225I / ARM225BI / ARM250I / ARM250BI / ARM250BR / ARM270I / ARM270BI
Commercial name: AUTOMATION FOR SWING GATES

Has been produced for incorporation on an access point (*swing gate*) or for assembly with other devices used to move such an access point, to constitute a machine in accordance with the Machinery Directive 2006/42/EC.

Also declares that this product complies with the essential safety requirements of the following EEC directives:

- 2014/35/EU *Low Voltage Directive*

- 2014/30/EU *Electromagnetic Compatibility Directive*

and, where required, with the Directive: - 2014/53/EU *Radio equipment and telecommunications terminal equipment*

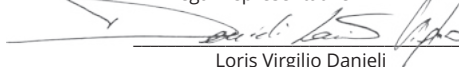
Also declares that **it is not permitted to start up the machine** until the machine in which it is incorporated or of which it will be a component has been identified with the relative declaration of conformity with the provisions of Directive 2006/42/EC.

The following standards and technical specifications are applied: EN 61000-6-2; EN 61000-6-3; EN 60335-1; EN 12453:2000; EN 12445:2000; EN 60335-2-103.

The manufacturer undertakes to provide, on sufficiently motivated request by national authorities, all information pertinent to the quasi-machinery.

Sandrigo, 31/10/2017

Legal Representative



Loris Virgilio Danieli

Name and address of person authorised to draw up all pertinent technical documentation:

Loris Virgilio Danieli - via E. Fermi, 43 - 36066 Sandrigo (Vi) Italy

**INTEGRIERUNGSKLÄRUNG DES HERSTELLERS
(gemäß der Europäischen Richtlinie 2006/42/EG Anl. II.B)**

Hersteller:
Adresse:

TAU S.r.l.
Via E. Fermi, 43 - 36066 Sandrigo (Vi) - ITALY

Erklärt unter seiner Haftung, dass das Produkt: *Elektromechanischer Antrieb für eine Anwendung: Privat / Gewerbe*

für die automatische Bewegung von: *Drehtore Einschließlich:* -

Modell: ARM200
Seriennummer: SIEHE SILBERETIKETTE

Typ: ARM225I / ARM225BI / ARM250I / ARM250BI / ARM250BR / ARM270I / ARM270BI
Handelsbezeichnung: DREHTORANTRIEB FÜR PRIVAT UND GEWERBE

ausgeführt wurde, um in einen Verschluss integriert zu werden (Drehtore) oder um mit anderen Vorrichtungen kombiniert zu werden, um diesen Verschluss zu bewegen, und somit gemäß der Maschinenrichtlinie 2006/42/EG eine Maschine darstellt.

Außerdem erklärt er, dass dieses Produkt den grundsätzlichen Sicherheitseigenschaften der folgenden Richtlinien EWG entspricht:

- 2014/35/EU *Niederspannungsrichtlinie*

- 2014/30/EU *Richtlinie für elektromagnetische Kompatibilität*

Und wo gefordert, der Richtlinie:

- 2014/53/EU *Radio equipment and telecommunications terminal equipment*

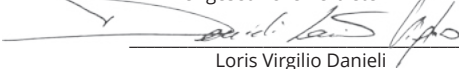
Außerdem wird erklärt, dass **es nicht zugelassen ist, die Vorrichtung in Betrieb zu setzen**, bis die Maschine, in die sie integriert wird oder deren Bestandteil sie sein wird, identifiziert und die Konformität gegenüber dem Inhalt der Richtlinie 2006/42/EG erklärt wurde.

Die folgenden Normen und technische Verzeichnisse wurden angewandt: EN 61000-6-2; EN 61000-6-3; EN 60335-1; EN 12453:2000; EN 12445:2000; EN 60335-2-103.

Er verpflichtet sich, auf ausdrücklichen Wunsch der nationalen Behörden, Informationen über die Fastmaschinen zu übersenden.

Sandrigo, 31/10/2017

Der gesetzliche Vertreter



Loris Virgilio Danieli

Name und Adresse der beauftragten Person zur Vorlegung der zugehörigen technischen Unterlagen:

Loris Virgilio Danieli - via E. Fermi, 43 - 36066 Sandrigo (Vi) Italy



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