

Application for Listed Building Consent for the replacement and automation of the rear service yard timber gates at

Fenton House, Hampstead Grove, Hampstead. London. NW3 6SP

By The National Trust.

PRODUCT DATA SHEETS

The following are the products and materials for proposed use in the proposed installation of the project referred above and include:

1. Telguard GSM Intercom Control Panel
2. Beninca Pupilla Photocell beam
3. Beninca DU.IT Gate automation motors



BESPOKE

...as many buttons as you like.

- Installer programmed
- GSM programmed by SMS (GSM only)
- Available with up to 24 call buttons
- Dial in to open & authorised incoming calls
- SMS alerts (GSM only)
- No dedicated handsets required
- Internal time clock
- 2 relays – additional relays optional
- Exit release input
- Forward call up to 8 additional numbers
- Activity log downloaded locally or remotely
- Prox cut out option
- Camera option
- Available as GSM or Landline
- 2 Year Warranty
- Safe option available with Hub



The Bespoke is a telephone or GSM based intercom system to call from 1 to 24 separate numbers via individual buttons. The system is installer programmed remotely via SMS, from a standard telephone/mobile or data over IP also locally via the keypad (where fitted) or USB connection.

Each button is programmed to call a different telephone number relating to the destination (flat, office, house etc). When a visitor presses the required button the Electronic Voice Assist™ will confirm that the call is being made and a telephone call is made from the entrance panel to the destination telephone number.

The telephone rings in the premises (if a mobile phone is called the recipient could be anywhere in the world!) and if the recipient is in they can answer the call as normal and speak to the visitor. If the line is engaged or the recipient is out, the Telguard is able to search for up to 8 other phone numbers i.e. office, mobile, relation etc. The system is compatible with an answer machine. If the recipient is out and has not set up any other facility then the Electronic Voice Assist™ will say that it has not been possible to connect the call.

If the recipient chooses to allow their visitor access they simply press a digit on their telephone handset and the tone from the button will operate a relay linked to the entrance (door, gate or barrier) and the visitor has access. The optional keypad is used for coded entry for local access via a 4 – 8 digit code. The user presses the code into the panel and the entrance can be opened.

There are three connections to the basic system, a 230 Volt supply to feed the 12 Volt 1 Amp PSU (the PSU we supply with the system must be used and should not power any other equipment), then there is a choice of Land Line or GSM bridge board which is connected via an external aerial or telephone lead. The land line bridge board requires an analogue telephone connection – either PSTN (Public Switched Telephone Network) or an analogue extension from a PABX (Private Automated Branch eXchange) and a link to the equipment to be operated i.e. a gate, door lock, barrier etc.

The GSM requires a Pay-As-You-Go or Contract SIM plus an aerial which is supplied with the system. Other facilities available are a trade button linked to an internal time clock with 9 available time periods & automatic BST/GMT update.

An activity log can also be downloaded remotely via data over IP or locally by USB connection. The internal memory will hold 1000 entries and once the maximum is reached the earliest logs are overwritten.

A camera may be fitted as part of the fascia and operates independently to the Telguard. The picture from the camera may be viewed on a television inside the premises. This is achieved by connecting the camera into the communal TV aerial amplifier with a modulator. Proximity may also be fitted as part of the fascia and operates independently to the Telguard. We have standard cut outs for the most popular makes of proximity reader.

Company Sticker Here.

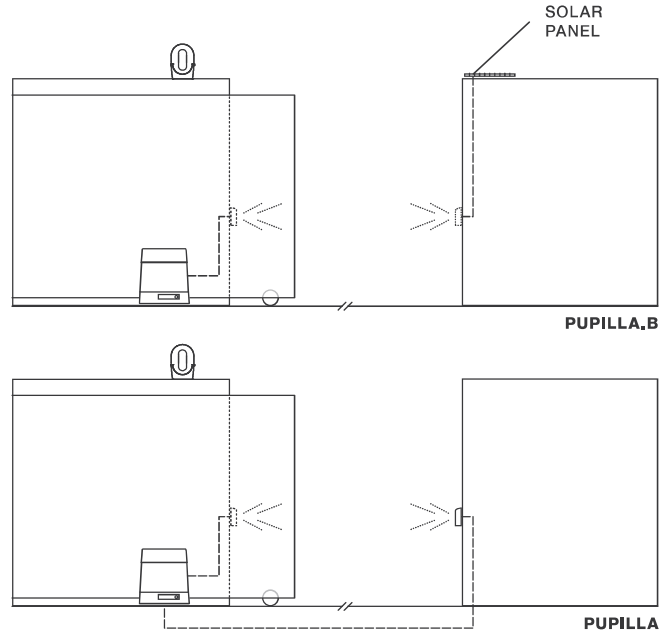


Tech Spec..

- **Warranty:** 2 year gold warranty including return to manufacturer (full parts & Labour) and unlimited programming requests in writing.
- **Power:** 12 Volt 1 Amp DC PSU (as supplied and must be dedicated to the Telguard).
- **Call Buttons:** 1 – 24 Stainless steel or backlit.
- **Coded Entry:** Via optional keypad 4 – 8 digits, input for a further keypad and could be used as an exit keypad. 400 codes maximum.
- **Trade:** Optional trade button linked to internal time clock with 9 available time periods & automatic BST/GMT update.
- **Phone Line:** (for land line option): Analogue BT type line or PABX analogue extension.
- **GSM SIM:** Supplied with O2 or Vodafone via Telguard Telecom. See website.
- **Network Providers:** SIMs must be data enabled, the network 3 is not currently compatible with our equipment.
- **Telephone Type:** Standard tone generating telephone, cordless or mobile phone.
- **Tone Type:** DTMF (Dual Tone Multi Frequency).
- **Programming:** Installer programmed via SMS (GSM), dial in using a telephone or mobile via the Electronic Voice Assist™, via keypad (where fitted), remotely via modem or USB connection.
- **Relays:** Dual Opto Relay providing 2 x outputs supplied as standard, lock relay also available (please see website).
- **Cable Distance:** Up to 300 metres from Hub (where applicable)
- **Relay Activation Time:** 1 – 60 seconds, adjustable locally and remotely.
- **Volume:** 1-9 adjustable locally and remotely.
- **Operating Commands:** Default #, 2#, 3#, 4#, 5#, 6#, 7#, 8#, 9#. All relay commands are configurable.
- **Exit Release Input:** Via auxiliary input. Unable to be used with Day/Night feature.
- **Day/Night Feature:** Able to call a different number at night to the number called during the day. Switched locally or remotely. Unable to be used with Exit Release Input facility.
- **Multi Number Calling:** Up to 8 different follow on numbers are assignable to each call point.
- **Call Point Profile:** This utilizes the on board time clock enabling custom profile functions to be activated eg: calling an alternative number.
- **Concierge:** All call destinations are routed to one main number.
- **Authorised call access:** Numbers stored in this part of the memory can activate a pre-determined relay simply by calling the number of the system. If the number calling is on the authorised list the relay will activate. (Please note that the Land Line system requires CLI from the line provider for this function to operate). Up to 900 numbers.
- **SMS via Input:** An SMS message may be sent (GSM only) on receipt of an output from equipment associated with the TelGuard. This could be to indicate low parking ticket paper on a parking system, or a passive detector to report movement, loop detector or an alarm.



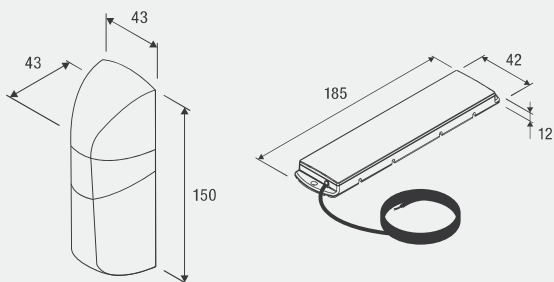
PHOTOCELLS



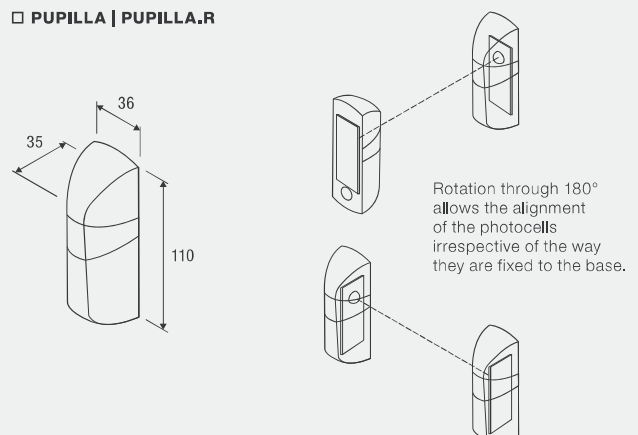
PUPILLA.B

- Photocell's transmitter powered by battery
- The innovative battery charging system using a photovoltaic panel represents an authentic novelty distinguishing PUPILLA.B, guaranteeing maximum safety and perfect operation to any plant
- Possibility of connecting up to 2 photovoltaic panels in case of non optimal climate conditions
- Continuous operation without any need of maintenance
- PUPILLA.B allows compliance with safety regulations even on installations that do not have incorporated safety systems thanks to the transmission of the controls even on moving gates
- The photocells can be oriented in different directions to make installation even easier

□ PUPILLA.B



□ PUPILLA | PUPILLA.R





PUPILLA.B

Pair of externally fitted photocells, turning through 220°. Photovoltaic panel to charge transmitter battery. Presence of led with diagnostic function.



PUPILLA | PUPILLA.R

PUPILLA: Pair of photocells adjustable to 180°. Possibility to synchronise up to 4 pairs, 24 VAC/DC power supply. Easy adjustment through a LED that signals optimal alignment.
PUPILLA.R: Pair of fixed photocells with a relay (voltage free contact) with N.C. type operation. Two pairs can be installed close to each other without synchronization.



FTC.S

24 Vac/dc surface mounting photocell. It is possible to synchronise up to 4 pairs of photocells. They can be fitted also on COL05N, COL10N and COL12N aluminium columns.



SC.P30QIS

24 Vac/dc built-in mounting photocell. It is possible to synchronised up to 4 couple of photocells. SC.PD not included.



IRI.CELL

Pair of vandal-proof metal covers for PUPILLA/PUPILLA.R photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



SF

Lateral support for FTC.S photocells. 2 pcs packing.



SC.PD

Plastic container for recess SC.P30QIS. 2 pcs packing.

Fotocellula rotante 180° da parete**Apertura fotocellula**

Fare leva nella parte inferiore centrale come indicato nella Fig.A.

Fissaggio (fig.B)

- A Fondo
- B Viti fissaggio a parete
- C Circuito stampato
- D Supporto per circuito stampato
- E Viti fissaggio blocco rotazione
- F Blocco rotazione
- G Predisposizione passaggio cavi

Caratteristiche Tecniche

Alimentazione	22÷30Vac o 20÷28Vdc
Portata	20-25 m
Grado di protezione	IP 44
Temperatura funz.ion.	-20°C/+70°C
Assorbimento TX	20mA
Assorbimento RX	50mA

Collegamento (fig.C)

- TX M1: 24Vac (+24Vdc)
- M2: 24Vac (-24Vdc)

- RX M1: 24Vac (+24Vdc)
 - M2: 24Vac (-24Vdc)
 - M3: Comune, COM.
 - M4: Contatto normalmente aperto, N.O.
 - M5: Contatto normalmente chiuso, N.C.*
- *Con fotocellule alimentate e allineate.

Regolazione del centraggio

La regolazione del centraggio della fotocellula si effettua allentando le viti E.

Il LED indica il livello di ricezione:

Lampeggio del LED lento: ricezione debole

Lampeggio del LED veloce: ricezione buona

LED acceso: ricezione ottimale.

Sincronismo

Per evitare interferenze nel caso di utilizzo di due coppie di fotocellule ravvicinate, attivare il sincronismo chiudendo il jumper JP2 sia sui trasmettitori sia sui ricevitori. **Il sincronismo funziona esclusivamente con alimentazione 24Vac** con polarità invertita tra le due coppie come indicato in Fig. D/E.

Rotating photocell, 180°, fitting to wall**Opening of the photocell**

Lift the cover by levering at the center of the lower part, as shown in Fig. A

Fitting (fig.B)

- A Bottom
- B Wall fitting screws
- C Printed circuit
- D Support for printed circuit
- E Fitting screws, rotation lock
- F Rotation lock
- G Presetting for the passage of cables

Specifications

Power supply	22÷30Vac or 20÷28Vdc
Range	20-25 m
Protection level	IP 44
Oper. temperature	-20°C/+70°C
Consumption TX	20mA
Consumption RX	50mA

Wire connections (fig. C)

- TX M1: 24Vac (+24Vdc)
- M2: 24Vac (-24Vdc)

- RX M1: 24Vac (+24Vdc)
 - M2: 24Vac (-24Vdc)
 - M3: Common, COM.
 - M4: Normally open contact, N.O.
 - M5: Normally closed contact, N.C.*
- *With powered and aligned photocells.

Adjustment of the alignment

The photocells are aligned by loosening the screws

E. As regards the reception LED:

LED flashes slowly: scarce reception

LED flashes quickly: good reception

LED on: optimal reception.

Synchronization

To avert any interference when using two pairs of photocells mounted close together, activate the synchronization function by closing the jumpers J2 on both transmitters and receivers.

The synchronization operates only with 24Vac power supply and reversed polarity between the two pairs, as shown in Fig. D/E.

Um 180° schwenkbare Fotozelle für die Wandmontage**Öffnen der Fotozelle**

Den unteren Teil der Einheit anheben wie in der Abb. A gezeigt.

Befestigung (Abb. B)

- A Boden
- B Wandbefestigungsschrauben
- C Platine
- D Platinenhalterung
- E Befestigungsschrauben
- F Schwenkbarer Block
- G Kabeldurchführung

Technische Eigenschaften

Speisung	22÷30Vac oder 20÷28Vdc
Tragweite	20-25 m
Schutzklasse	IP 44
Betriebsstemperatur	-20°C/+70°C
Stromaufnahme TX:	20mA
Stromaufnahme RX:	50mA

Anschluss (Abb. C)

- TX M1: 24Vac (+24Vdc)
- M2: 24Vac (-24Vdc)

- RX M1: 24Vac (+24Vdc)
 - M2: 24Vac (-24Vdc)
 - M3: Gemein, COM.
 - M4: Arbeitskontakt, N.O.
 - M5: Ruhkontakt, N.C.*
- *Bei gespeisten und angereihten Fotozellen

Regelung der Zentrierung

Die Regelung der Zentrierung der Fotozelle erfolgt durch Lockern der Schrauben E.

Die LED zeigt das Empfangsniveau an:

LED blinkt langsam: schwacher Empfang

LED blinkt schnell: guter Empfang

LED ein: optimaler Empfang

Synchronismus

Falls zwei nahliegende Fotozellenpaare verwendet werden, den Synchronismus aktivieren, um Störungen zu vermeiden. Dazu die Jumpers JP2 an den Sendegeräten und an den Empfängern schließen.

Der Synchronismus funktioniert ausschließlich mit einem Netzgerät 24Vac mit umgetauschten Polenpaaren, wie in Abb. D/E gezeigt.

Photocellule tournante 180° à paroi**Ouverture photocellule**

Faire pression sur la partie inférieure centrale comme indiqué dans la Fig.A

Fixage (Fig.B)

- A Fond
- B Vis de fixation à paroi
- C Circuit imprimé
- D Support pour circuit imprimé
- E Vis de fixation système de rotation
- F Système de rotation
- G Prédisposition passage des câbles

Caracteristiques Techniques

Alimentation	22÷30Vac ou 20÷28Vdc
Débit	20-25 m
Degré de protection	IP 44
Température fonct.	-20°C/+70°C
Absorption TX	20mA
Absorption RX	50mA

Branchement (Fig.C)

- TX M1: 24Vac (+24Vdc)
- M2: 24Vac (-24Vdc)

- RX M1: 24Vac (+24Vdc)
 - M2: 24Vac (-24Vdc)
 - M3: Commune, COM.
 - M4: Contact normalement ouvert, N.O.
 - M5: Contact normalement fermé, N.F.*
- *Avec photocellules alimentées et alignées.

Réglage du centrage

Le réglage du centrage de la photocellule a lieu en desserrant les vis E. Le LED indique le niveau de réception:

Clignotement du LED lent: réception faible

Clignotement du LED rapide: bonne réception

LED allumé: réception optimale.

Synchronisme

A fin d'éviter toute interférence en cas d'utilisation de deux couples de photocellules rapprochées, activez le synchronisme en fermant les jumpers JP2 soit sur les transmetteurs, soit sur les récepteurs.

Le synchronisme marche exclusivement avec alimentation 24Vac avec polarité inverse entre les deux couplet comme indiqué dans la in Fig. D/E.

Fotocélula giratoria 180° para pared**Apertura fotocélula**

Hacer palanca en la parte inferior central, como mostrado en la Fig.A

Fijación (fig.B)

- A Fondo
- B Tornillos de fijación en pared
- C Circuito impreso
- D Soporte para circuito impreso
- E Tornillos de fijación del bloque rotación
- F Bloque Rotación
- G Preparación para el paso de cables

Características Técnicas

Alimentación	22÷30Vac o 20÷28Vdc
Alcance	20-25 m
Grado de protección	IP 44
Temperatura funcion.	-20°C/+70°C
Absorción TX	20mA
Absorción RX	50mA

Conexión (Fig.c)

- TX M1: 24Vac (+24Vdc)
- M2: 24Vac (-24Vdc)

- RX M1: 24Vac (+24Vdc)
 - M2: 24Vac (-24Vdc)
 - M3: Común, COM.
 - M4: Contacto normalmente abierto, N.O.
 - M5: Contacto normalmente cerrado, N.C.*
- *Con fotocélulas alimentadas y alineadas.

Ajuste del centrado

El ajuste del centrado de la fotocélula se realiza aflojando los tornillos E. El LED indica el nivel de recepción:

Parpadeo lento del LED: recepción débil

Parpadeo rápido del LED: recepción buena

LED encendido fijo: recepción óptima.

Sincronismo

Para evitar interferencias, si se utilizan dos parejas de fotocélulas cercanas, activar el sincronismo cerrando los puentes JP2 tanto en los transmisores como en los receptores. **El sincronismo funciona exclusivamente con alimentación de 24Vac**, con polaridad invertida entre las dos parejas, como mostrado en la Fig. D/E.

Fotokomórka obrotowa 180° mocowana na ścianie**Otwarcie fotokomórki**

Podważyć w środkowej części dolnej tak, jak wskazano na Rys.A.

Umocowanie (rys.B)

- A Dno
- B Śruby mocowania do ściany
- C Obwód drukowany
- D Uchwyt obwodu drukowanego
- E Śruby mocowania blokady obrotu
- F Blokada obrotu
- G Przygotowanie przejścia przewodów

Dane Techniczne

Zasilanie	22÷30Vac lub 20÷28Vdc
Zasięg	20-25 m
Stopień zabezpieczenia	IP 44
Temperatura działania	-20°C/+70°C
Pochłanianie TX	20mA
Pochłanianie RX	50mA

Połączenia (rys.C)

- TX M1: 24Vac (+24Vdc)
- M2: 24Vac (-24Vdc)

- RX M1: 24Vac (+24Vdc)
 - M2: 24Vac (-24Vdc)
 - M3: Wspólny, COM.
 - M4: Zestyk normalnie otwarty, N.O.
 - M5: Zestyk normalnie zwarty, N.C.*
- *Przy fotokomórkach zasilanych i uliniowanych.

Regulacja środkowania

Regulacji środkowania fotokomórki dokonuje się przez poluzowanie śrub E. LED wskazuje poziom odbioru:

Błyskanie LEDu wolne: odbiór słaby

Błyskanie LEDu szybkie: odbiór dobry

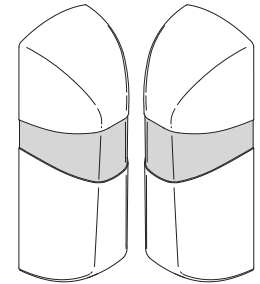
LED świeci się: odbiór optymalny.

Synchronizm

W celu uniknięcia zakłóceń w przypadku używania dwu par fotokomórek znajdujących się blisko siebie należy uaktywnić funkcję synchronizmu poprzez zamknięcie jumperów JP2 zarówno w nadajnikach, jak i w odbiornikach. **Synchronizm działa wyłącznie przy zasilaniu na 24Vac** przy biegunowości odwrotnej między obiema parami tak, jak wskazano na Rys. D/E.

BENINCA®

PUPILLA



Dichiarazione CE di conformità
EC declaration of conformity
EG-Konformitätserklärung
Déclaration CE de conformité
Declaracion CE de conformidad
Deklaracja UE o zgodności

Con la presente dichiariamo che il nostro prodotto

We hereby declare that our product

Hiermit erklaren wir, dass unser Produkt

Nous déclarons par la présente que notre produit

Por la presente declaramos que nuestro producto

Niniejszym oświadczamy że nasz produkt

PUPILLA

è conforme alle seguenti disposizioni pertinenti:
 complies with the following relevant provisions:
 folgenden einschlagigen Bestimmungen entspricht:
 correspond aux dispositions pertinentes suivantes:
 satisface las disposiciones pertinentes siguientes:

zgodny jest z poniżej wyszczególnionymi
 rozporządzeniami:

89/336/CEE, 93/68/CEE

05/10/2006

Data/Firma

Beninca and Pupilla

BENINCA®

AUTOMATISMI BENINCA SpA
 Via Capitello, 45 - 36066 Sandrigo (VI)
 Tel. 0444 751030 r.a. - Fax 0444 759728

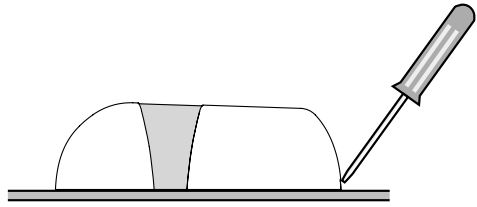


Fig. A

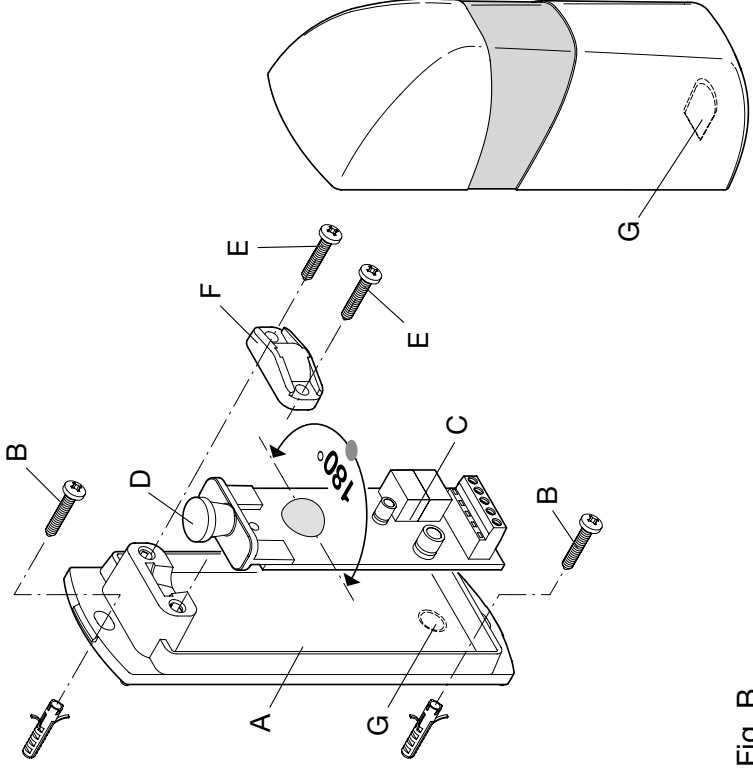


Fig. B

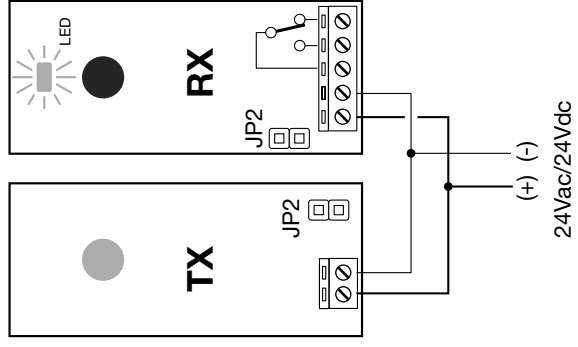


Fig. C

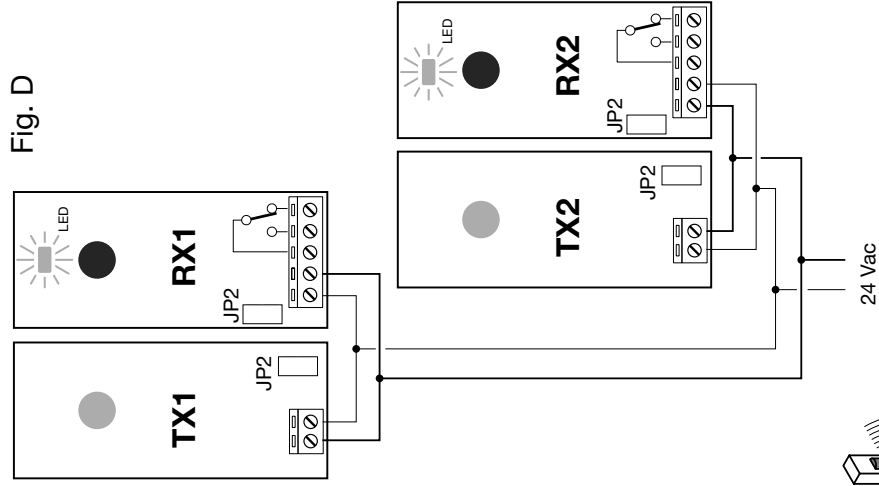


Fig. D

2 coppie - 2 pairs - 2 fotozellenpaare
2 couples - 2 paejas - 2 par

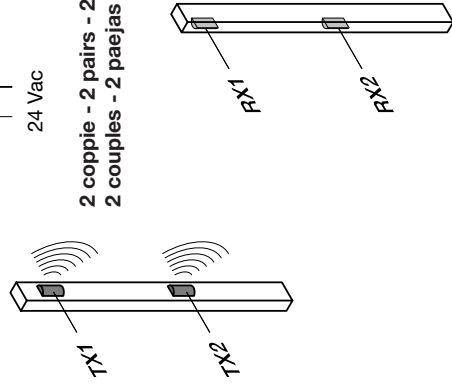
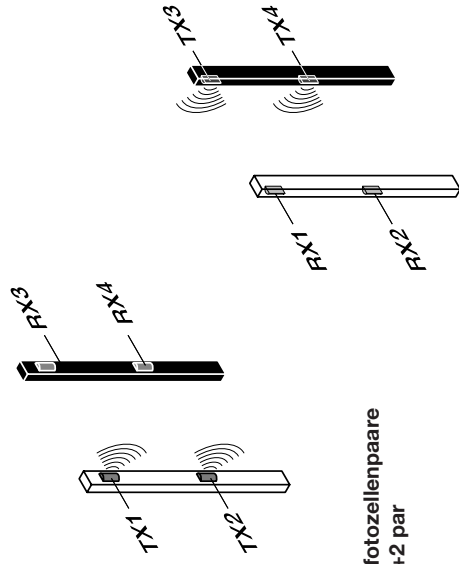
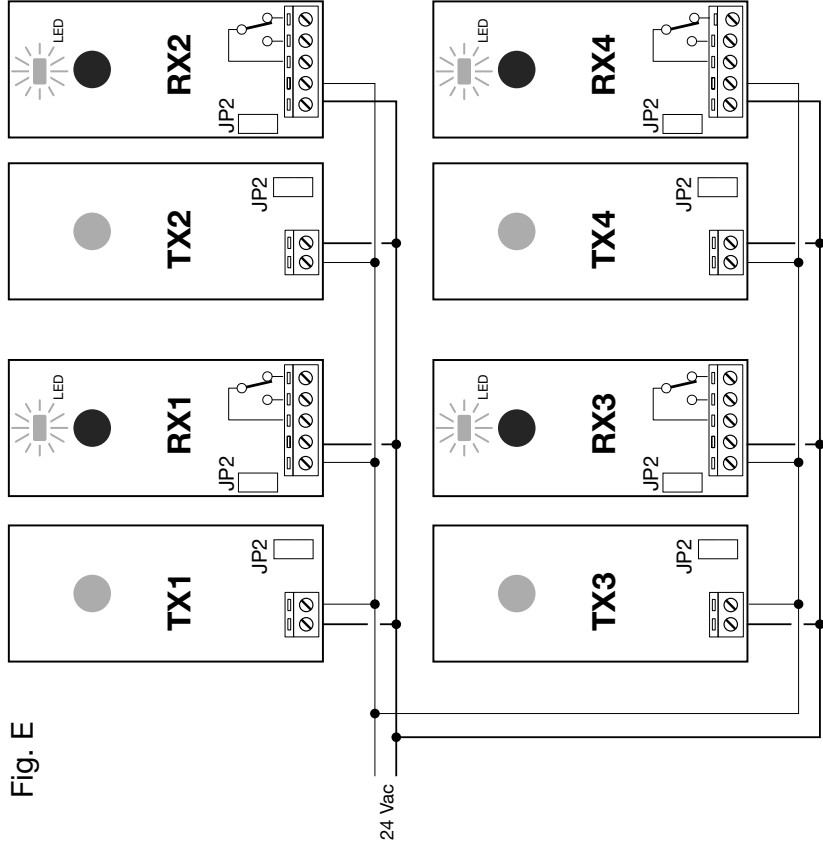


Fig. E



2+2 coppie - 2+2 pairs - 2+2 fotozellenpaare
2+2 couples - 2+2 paejas - 2+2 par

230_{VAC}

24_{VDC}

ENCODER

DU.IT14N

DU.IT24NVE

UNDERGROUND INSTALLATION

up to 3.5 m

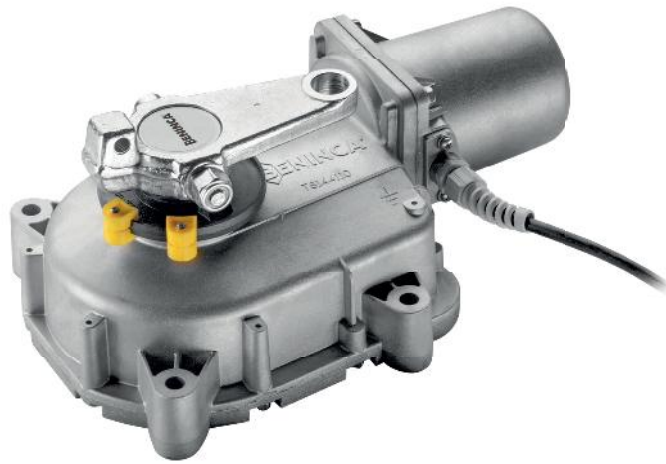
DUIT.BR ACCESSORY AVAILABLE

(FOR THE ADJUSTMENT OF MOST OF FOUNDATION BOXES IN THE MARKET)



CONTROL UNITS:

DU.IT14N	—	BRAINY	134
	—	HEADY	135
DU.IT14NE	—	BRAINY	134
DU.IT14NV	—	BRAINY	134
	—	HEADY	135
DU.IT14NVE	—	BRAINY	134
DU.IT24NVE	—	BRAINY24+	143
	—	BRAINY24	144



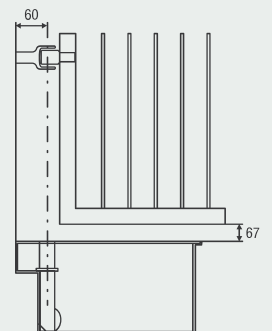
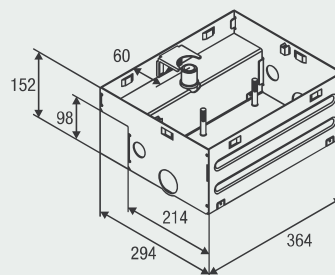
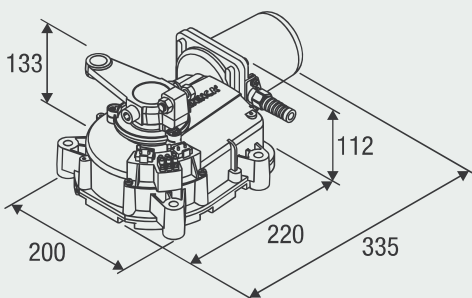
Irreversible electromechanical geared motor available in 230 Vac and 24 Vdc version, with the option of opening to 180°. Full metal mechanics and built-in mechanical stop.

230 Vac

- Irreversible 230 Vac electromechanical geared motor
- Available also in the quick version (DU.IT14NV), with encoder (DU.IT14NE) and the quick version with encoder (DU.IT14NVE)
- The encoder guarantees maximum safety and precision while the gate is moving

24 Vdc | intensive use

- Irreversible 24 Vdc electromechanical geared motor for intensive use, equipped with encoder
- The encoder device ensures maximum safety and precision in the gate moving phases
- Amperometric sensor obstacle detection system to prevent crushing
- Optional battery powered operation





DU.ITIX
Self-supporting stainless steel foundation box max. opening 110°. Supplied only with cover, requires release accessory SB.DUIT.L, SB.DUIT.K, SB.DU180.K or SB.DU180.L.



DU.ITCF
Self-supporting foundation box with cataphoretic painted finish, max. opening 110°. Supplied only with cover, requires release accessory SB.DUIT.L, SB.DUIT.K, SB.DU180.K or SB.DU180.L.



SB.DUIT.K
Kit comprising personalised release key and components to connect the motor to the gate. Mechanical stop incorporated.



SB.DUIT.L
Kit comprising release hex key and components to connect the motor to the gate. Mechanical stop incorporated.



SB.DU180.K
Kit comprising personalised release key and components to connect the motor to the gate, for openings up to 180°.



SB.DU180.L
Kit comprising release hex key and components to connect the motor to the gate, for openings up to 180°.



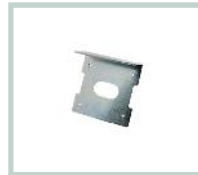
DU.ITST
Adjustable mechanical open stop 75°/80°/85°/90°/95°/100°.



DU.V96
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



DU.V90
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



DU.9990
Covering plate for DU.V90.



E.LOCK
230 Vac vertical electric lock, supplied with counterplate.



E.LOCKSE
Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.



DUIT.BR-01
Adaptors for the installation of 2 operators compatible with the most common foundation boxes in the market.



DUIT.BR-03
Adaptors for the installation of 2 operators compatible with the most common foundation boxes in the market.



DU.FCN
Water-proof limit switches device for DU.IT14N, DU.IT14NV, DU.IT24NVE.



CABLE.24E
Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.



ID.TA
Warning board.

TECHNICAL DATA	DU.IT14N*	DU.IT14NE	DU.IT14NV	DU.IT14NVE	DU.IT24NVE*
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac	230 Vac	230 Vac	24 Vdc
Max absorbed current	1.6 A	1.6 A	1.6 A	1.6 A	11 A
Torque	370 Nm	370 Nm	220 Nm	220 Nm	280 Nm
Opening time	22"	22"	11"	11"	15"
Duty cycle	30%	30%	40%	40%	intensive use
Protection level	IP67	IP67	IP67	IP67	IP67
Encoder	NO	YES	NO	YES	YES
Cams' disk included	YES	NO	YES	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3.5 m	3.5 m	2.1 m	2.1 m	3.5 m
Weight	11.3 kg	11.2 kg	11 kg	11.2 kg	10 kg
Items no. per pallet	44	44	44	44	44
DU.ITIX weight	8,1 kg	8,1 kg	8,1 kg	8,1 kg	8,1 kg
DU.ITCF weight	9,6 kg	9,6 kg	9,6 kg	9,6 kg	9,6 kg
No. of foundation boxes per pallet	32	32	32	32	32

* Available in 115 VAC version