

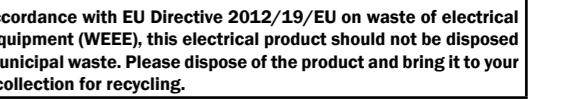
In order to ensure an adequate safety level to the installation, it is advisable to conduct such inspections at intervals not exceeding 6 months.

6.1 Disposal

Linear XS Photocells are made of materials of various types, some of which can be recycled, while others must be disposed.

Proceed as follows:

1. Remove the accessory from the power supply and disassemble in reverse order from that described in "Installation".
2. Remove the electronic components;
3. Sorting and disposing of the materials exactly as per the regulations in the Country of sale.



LINEAR XS

EN

1. Product conformity

Linear XS is a CE marked product. DEA System assures the conformity of the product to European Directives 2014/30/EU (EMC) - 2014/35/EU (LVD).

This device is "D" type according to EN12453. DEA System also grants quality and conformity to rule 2011/65/EU (RoHS) of materials used for the product assembly. The Declaration of conformity may be viewed at: "<http://www.deasystem.com>".

2. Dangers and warnings

Read carefully: ignoring the following warnings may cause dangerous situations.

WARNING Exclusively qualified personnel must perform any operation of installation, maintenance, cleaning or repairing of the whole automation. Always operate when main power supply is disconnected and follow carefully all the laws, concerning electrical installations, in the country where the installation is made.

3. Technical characteristics

Power supply	24 V-/==
"TX" Absorption	20 mA
"RX" Absorption	25 mA
Contacts capacity	500 mA max 24V
Assured distance	40 m (under optimal conditions) 20 m (in poor visibility conditions)
Maximum length of connection cables	50 m cable 2 x 0,5mm
Protection degree	IP54
Operating temperature	-20-55 °C
Dimensions/weight	92 x 38 x 31 mm / 52 g



1. Conformité du produit

Linear XS est un produit marqué CE. DEA System assure la conformité du produit aux Règlements européens 2014/30/EU (EMC) - 2014/35/EU (LVD). Le dispositif est de type "D" conforme à la directive EN12453. DEA System assure aussi la qualité et la conformité suivant la directive 2011/65/EU (RoHS) des matériaux utilisés pour assembler le produit. La déclaration de conformité peut être consultée sur le site DEA en tapant: "<http://www.deasystem.com>".

2. Dangers et avertissements

Lire avec attention; le non respect des avertissements suivants peut créer des situations de danger.

ATTENTION Chaque opération d'installation, maintenance, nettoyage ou réparation de l'installation doivent être exécutés seulement par du personnel qualifié. Opérer toujours hors tension et se référer à toutes les normes en vigueur en matière d'installations électriques dans le pays où l'automatisation est installée.

3. Caractéristiques techniques

Alimentation	24 V-/==
Absorption "TX"	20 mA
Absorption "RX"	25 mA
Capacité des contacts	500 mA max 24V
Distance garantie	40 m (dans des conditions optimales) 20 m (dans de mauvaises conditions de visibilité)
Longueur maximale câbles de connexion	50 m câble 2 x 0,5mm
Degré de protection	IP54
Limite température ambiante	-20-55 °C
Dimensions/ Poids	92 x 38 x 31 mm / 52 g

4. Product description

Linear XS is a presence detector for automatic doors and gates consisting of a transmitter device "TX" and a receiver "RX". In the case of installation of two pairs of photocells at close range, you can set the mode of operation synchronized to prevent interference of the same, without the need for cross devices "TX" - "RX". **The synchronized mode is available only if you use a power supply 24V-**

4. Product description

Linear XS è un rilevatore di presenza per cancelli e portoni automatici composto da un dispositivo trasmettitore "TX" ed uno ricevitore "RX". Nel caso di installazione di due coppie di fotocellule a distanza ravvicinata, è possibile impostare la modalità di funzionamento sincronizzato che impedisce l'interferenza delle stesse, senza necessità di incrociare i dispositivi "TX" - "RX". **La modalità di funzionamento sincronizzato è disponibile solo nel caso si utilizzi una tensione di alimentazione alternata 24V-**

Linear XS est un détecteur de présence pour portails automatiques composé d'un émetteur "TX" et d'un récepteur "RX". Dans le cas de l'installation de deux paires de photocellules à courte portée, il est possible d'activer le mode de fonctionnement synchronisé pour éviter les interférences, sans besoin de croiser les dispositifs "TX" - "RX". **La modalité de fonctionnement synchronisé est disponible seulement en cas d'utilisation d'une tension d'alimentation alternée 24V-**

5. Assembly and wiring instructions

THE DISTANCE OF INSTALLATION FROM THE SOIL AND / OR FROM ANY OTHER PAIRS OF PHOTOCELLS, MUST BE AT LEAST 40cm.

WARNING Keep the cables separate from any other cable for connecting devices that can generate noise (motors, flashing lights, etc ...) and which could jeopardize the proper functioning of the system.

Proceed as follows for the installation of the photocell Linear XS:
1. release the folding hole on the back of the photocell base (Pic. 1) and apply the supplied cables-gland;
2. fix the base on the wall by using the supplied screws and anchors (Pic. 2);
3. Depending on the desired operation, refer to the wiring diagram 1 (non-synchronized version) and 2 (synchronized version). In the latter case it is essential to respect the polarity indicated (inverted for the two pairs of photocells). In each case, depending on the type of operation, correctly set the selection jumpers (Table 1).

Table 1

Remote "TX" Receiver "RX"

Non synchronised operating	JP1 Closed	A B	JP2 in pos. B
Synchronised operating	JP1 Open	A B	JP2 in Pos. A

4. Correctly align the photocell, checking the blinking of the LED of the receiver "RX" (see Table 2);

WARNING In order to correctly align a pair of photocells, obscure or remove power to all existing transmitters that would interfere. This procedure must be repeated for each couple of photocells in the installation.

ATTENTION When aligning the photocells, it is very important to consider the presence of reflective surfaces (metallic / glossy parts, possible pools of water) that could alter the signal.

Table 2

Type of flashing Photocell status

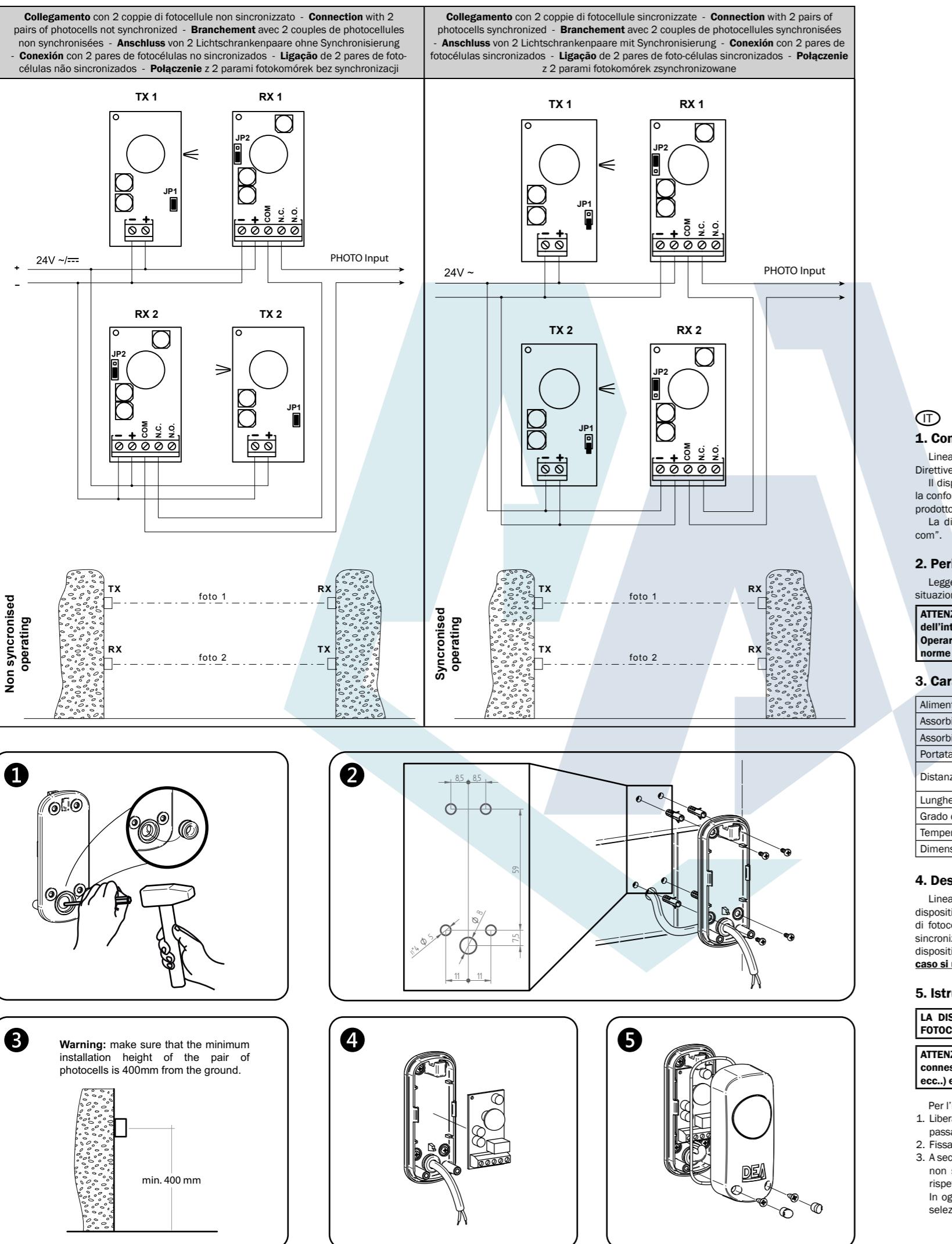
OFF	The 'RX' receives a good signal
Slow flashing	The 'RX' receives a poor signal
Speed flashing	The 'RX' receives a bad signal
ON	No signal

5. Close the shell with screws and install the caps hole (Pic. 5).

WARNING For the assembly and / or breakdown, always use the most appropriate equipment meticulously following the rules in force in the country of sale.

6. Maintenance

A good preventive maintenance and regular inspection ensure a long product life. The photocells Linear XS however, does not require any special control, simply check the condition of the same (lack of moisture, oxides, etc ...), clean the lens and the outer shell of the device and perform a test to ensure proper functioning.



Non synchronized operating

Syncronised operating

foto 1

foto 2

1

2

3

4

5

