

D-fly

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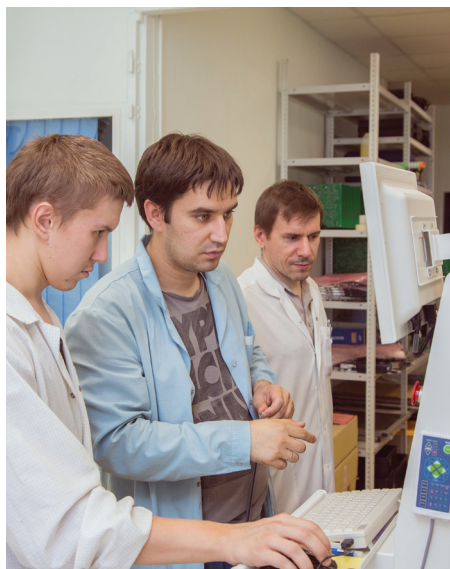
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COMPANY PROFILE

«EAS-Product» Ltd. is the manufacturer of D-fly brand name Theft Protection System. It belongs to «SOM» Group of Companies, which is the system integrator of complex security systems. Head office and production facilities are located in Ekaterinburg. In addition to the manufacture of D-fly Protection System, «EAS-Product» Ltd. is involved in production of radio frequency deactivators Fastkiller, radio frequency mobile checking devices Checkmaster, and visitors quantity counters D-fly counter. At present the «SOM» Group of Companies enjoys the multibranch network of its own subsidiaries, independent partners and distributors. This network allows to provide the deliveries, assembling and services at any location of Russia, as well as of Ukraine, Belarus and Kazakhstan.



D-fly SYSTEM

D-fly Theft Protection System has been developed by experts of our company and is manufactured on our own production facilities located in Ekaterinburg. This is completely the Russian product. It combines the best features of reliability, efficiency and usability, keeping up-to-date design and newest trends in approach to commodities protection for all that. The full cycle of manufacture provides multilevel quality control, which begins from the start of body casting and circuit boards printing, and finishes on the complete assembly of sensors and control units. All components go through Quality Control on each stage of their processing. It allows to prevent foul ups while production, therefore the quality of D-fly Theft Protection System is on a high level.



During the process of system design, our experts scrutinized thoroughly the experience of production both of Russian and foreign manufacturers. Were determined both the most progressive and successful solutions, and also solutions which lose their technological actuality. As a result we have managed to introduce reliable and efficient product of Russian origin. It is not inferior to the analogues represented by recognized market leaders, is remarkable for the number of advantages over its competitors, and of course it provides the full guarantee for your good to be secured. The figures prove that: today more than 2600 stores, including the small mobile communication shops and even the huge hypermarkets of electronics on the territory of Russia and Kazakhstan entrusted security of their commodities to D-fly system.

ADVANTAGES of D-fly

Reliability. Top quality level is provided by multistage quality control while protection system production. D-fly protection system is installed in sales area of a lot of Russian regions located from Kaliningrad to Sakhalin, and on the Kazakhstan territory as well. There can be quite severe working conditions (high dust level, humidity, temperature fluctuations, unstable power supply, etc.), and protection system demonstrated uninterrupted performance under all these circumstances. All sensors are made from impact-resistant high-quality ABS-plastic. This material provides stable appearance of protection system during the long run of operation. All the above mentioned enable us to give the 3 year guarantee for the D-fly control panels.

Efficiency. Full cycle of manufacture located in Ekaterinburg and substantial production volume provide the best prices and conditions we are able to offer.

Usability. The protection system is simple and convenient in use. The different sensors are easily interchangeable, control panels are universal and attachable with sensors of any type. The system control is fulfilled from the distance by remote control unit and does not demand the permanent presence of staff near each sensor.

Easy to assemble. The protection system assembly is totally simple. The sensors are installed on the shelf and switched to the control panels through special slots. The control panel itself is connected to the socket of 220V. Simple and convenient assemble, together with no need in additional control units or blocks program coding by means of resetters (the situation, which often occurs while use of protection systems of other brands), allows to perform assemble at shortest time. The easiness of assemble is proved by significant fact, that many of users decide to fulfill the assembly of system by their own strength, and they save their money (for the cost of assemble works) by doing it. The manufacturer guarantee remains to be valid in cases like that.

ADVANTAGES of D-fly

Protection from professional thieves. Due to the protective signal special function, getting started in each case of attempt to steal one or several goods by an organized group, acting under preliminary agreement, the system allows to prevent intentional, planned in advance thefts, undertaken by a separate evil-doer or by their combination. The system will never leave your merchandise unguarded!

Protection from decryption of a signal. The signal transfer from remote control unit to control block is fulfilled by means of dynamic code with block encryption algorithm. It makes it impossible to intercept the signal intentionally for further switching off of protection system by evil-doers.

Permanent visual control of blocks and sensors performance. Design of blocks and sensors allows to control visually each element of protection system, and usage of digital signal indicator provides the 100% control of system condition from the side of maintenance staff, even from the distance, not coming to each sensor separately to check it.

Design and ergonomics. The protection system sensors are notable for the modern design, and made of different colours as well – white, grey and black. It allows to consider concept of any store and to use them in any colour solution in accordance with sales area decoration standards and corporate style of a client. The system allows to protect the good while any laying-out system. It is achieved thanks to the use of special magnet sensors, of sensors with a reel, and of special telescopic supports as well.

ADVANTAGES of D-fly

100% protection 24 hours a day. All control blocks of the system are equipped by a built-in accumulator. It provides the merchandise 100% protection even when there is no power supply in a store. When control blocks are disconnected from 220V network, the system goes to offline work with no interference from the staff. All the goods will be under protection within up to 48 hours in this case. Any opportunities to steal are totally excluded.

The biggest possible number of devices to link up. D-fly system control blocks have various quantities of separate channels to deal with, the lowest is 8, the highest is 48. It allows to decrease the cost of protection substantially when a big number of goods is connected with each control block.

Powerful recharge. There is no secret, that if the merchandise is always turned on, it escalates its appeal for the customer and leads to the growth of sales volume. D-fly system allows to keep your goods always charged. Special charge cables, attached to the sensors, are used for each group of goods. This fact allows to recharge almost all the models of phones, smartphones, tablets, ebooks, cameras, etc. Moreover, the sensors are setupable to make the alarm signal turning on when charging cable is separated from the good. It allows to use an alternative, to protect the phones by means of sensing units, not equipped with additional sensor (which is usually stuck to the phone front panel), for the maximal storage of aesthetic appeal of the open access retail system.

Integration of system elements. All control blocks are equipped by an output to the so called «dry contact», thanks to which it is possible to integrate each block activities with videomonitoring systems, with access control system and another equipment. So, it is possible to program the algorithm in such a way that either the camera focuses on the rack which served alarm, or the store exit doors are closed automatically.

ADVANTAGES of D-fly

24 hours technical support. You can always make a call to our 24 hours technical support service and to get detailed consultation how to assemble and to run D-fly system. Statistics prove that, 80% of problems arise, when the staff is communicating with a system, as a rule are caused by ignorance of certain operating characteristics, and can be easily solved by phone after detailed expert consultation. Only 20% of problems - are the technical problems, when the ingeneer coming to the trade putlet is needed.

Service support in Russia and other countries.

Wide network of dealers and partners allows us to fulfill assembly, together with equipment waranty and service, at any location and in the shortest terms. Our partners, ready to perform skillfully all necessary work connected with the installation, configuration, repair of D-fly equipment are available at practically any city.

The shortest possible terms of delivery.

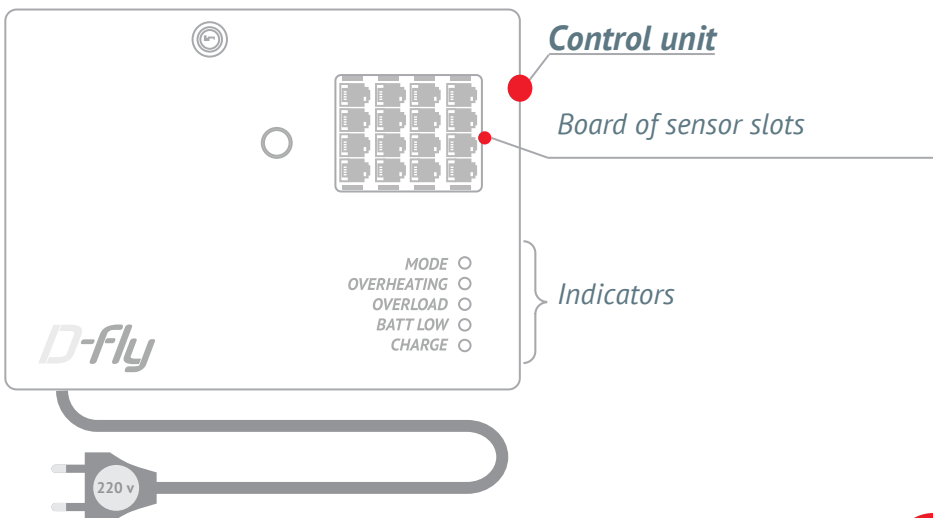
Full cycle of production in Ekaterinburg leads to permanent availability of substantial stockholding. So, our company is able to provide the delivery of equipment needed to equip 200 – 300 stores of middle dimensions within not more than one week. At the same time many clients have to expect for equipment, ordered from other supplies, from 1 to 3 months. Permanent availability of full range of products on the stock, convenient disposition of haulways and advanced logistics make us able to fulfill the shortest dispatch of equipment to any destination.

GENERAL DESCRIPTION

The system consists of a control block and sensors, which are connected to a control block. There are different control blocks: with number of sockets from 8 to 48, with no recharge function and including it. All control blocks have a siren built-in (adjustable sound level), and light indication of control block performance, as well.

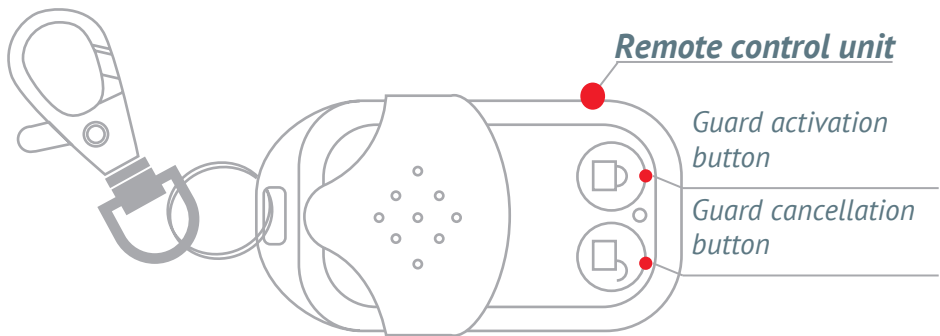
Alarm system is equipped by accumulators. Accumulators provide normal protection system operation within up to 48 hours after the 220V power supply deactivation. The system itself keeps accumulator charging voltage under control and tries to keep permanent 100% charge level.

All control boxes are manufactured in special dust-protected case with overheating protection and performance introspection. The control box design allows to place it in any positions on any shelves (horizontally, vertically on the wall, etc.), and its small dimensions allow to fulfill its assembly behind any shelves. A built-in siren 105 dB provides excellent signal audibility, when control block is activated, at that.

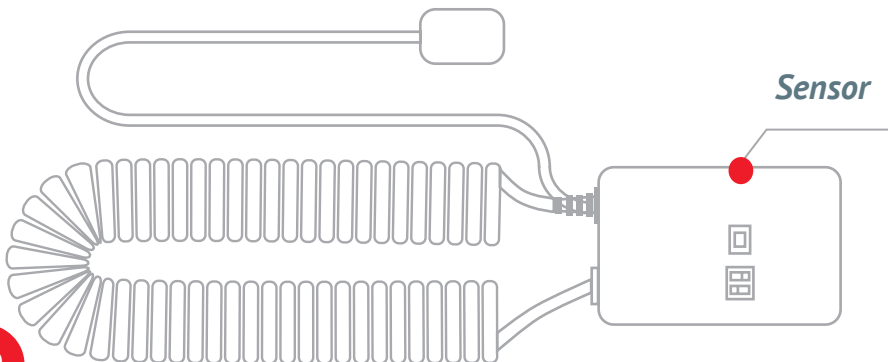


GENERAL DESCRIPTION

The control box is operated from the distance by remote control unit with dynamical code and block encryption algorithm installed, which uses a 64-bit key. A code sequence repeats more than through each 65 000 commands under such technology. It makes it impossible to intercept a code for an evil-doer and provides the highest possible system operation reliability.



The goods protection is fulfilled by means of sensors, which are installed on a good. The sensors are switched to security alarm block. All sensors have the built-in tiny signal diods, which provide visual monitoring of their performance position from the side of a store staff. All sensors cases are made from high quality impact resistant ABS plastic. It provides their long-time operation and prevents from mechanical damages.



D-fly CONTROL UNITS

All the D-fly control units exist can be divided into 3 types:

D-fly control unit with no function of recharge. It is designed to deal with sensors of all types, when there is no need in good recharge. There can be control units for number of channels of 8; 16; 24; 32 or 48.



D-fly CONTROL UNITS

All the D-fly control units exist can be divided into 3 types:

D-fly control unit with function of recharge, SuperEnergy series. It is designed to recharge all kinds of phones, smartphones, communicators, ebooks, etc. (tablets exclude). There can be control units for number of channels of 8 or 16.



D-fly CONTROL UNITS

Control unit with function of recharge, For Tablets series. The most universal one. Allows to recharge tablets of all types, and also all other devices exist (phones, smartphones, ebooks, etc.). There are also two models of control units of this type: supporting the number of channels of 8 or 16.



LINKING OF THE ADDITIONAL DEVICES

Additional outblock devices can be linked to any control box model:

D-fly signal diode.

Signal diode is linked to the special additional control box slot and is put on the rack. The device is located in a way allowing it to be always visible by the staff. In standard mode, when control box is standing on protection, the signal diode is lighting constantly. When alarm goes off, the diode is coming to the flashing mode, by this showing the staff, where the sensor, on which the alarm has went off, is located.



Thus, the usage of this device allows to the sellers to determine sensor, where the alarm has went off, and to do it accurately and immediately. It will not be difficult for the seller to find on the rack the sensor that caused the alarm is triggered, because this sensor will be automatically highlighted by its tiny built-in diode. It allows to prevent theft instantly and to keep the attacker.

LINKING OF THE ADDITIONAL DEVICES

Signal D-fly digital indicator.



Signal digital indicator is one more outboard unit, linked to the control block additional sockets. Carrying out all signal diode functions (it also works in either constant or flashing mode when control block is going off), digital indicator has one important advantage – it shows the quantity of sensors, guarded by a certain control block. It is difficult to underestimate the importance of this function, as soon as indicator allows the staff to check visually the quantity of indicators guarded - the staff is able to do it within counted seconds, and also being on substantial distance from the rack. With no need to come to the rack, the staff is sure that none of the goods is removed from the guard.

For example, if salesman knows, that this certain block always protect 24 units of goods, and in one moment after the alarm suspicious went off the indicator shows the "23" number, the salesperson must immediately react on information which he received from signal indicator, and to define, which of the sensors is withdrawn from the guard. All this allows to compete with professional thieves successfully.

D-FLY PROTECTIVE SENSORS

Protective sensor №3

Small, universal protective sensor, equipped by LED indicator.



The sensor small dimensions allow to use it with wide range of goods (MP3 players, dictaphones, navigators, playstations, modems, etc.). The sensor can be attached to any good's surface, including its rear side. It makes it invisible while open access retail system, and appearance of goods in open access remains unchanged.

D-FLY PROTECTIVE SENSORS

Protective sensor №4

The sensor with LED indicator and straight cable with USB-A slot. Is used to protect notebooks and other devices equipped by this type of slots.

Convenient and reliable sensor design allows to apply it for protection of any good equipped by USB-A slot, and its usable small case easily fits in interior and does not disturb while taking a good into the hands.



D-FLY PROTECTIVE SENSORS

Protective sensor №5

Binary sensor with LED indicator for DECT phones protection. Protective sensor consists of a straight cable and two mini-sensors, (one of them is equipped by built-in LED indicator) connected by 20 cm twisted cable.



One of the sensors is glued firmly on the support by means of special stickers, and another – on the phone tube. Twisted cable allows to take a good into the hands freely, and sensor itself provides a goods' reliable protection.

D-FLY PROTECTIVE SENSORS



Protective sensor №6

Sensor with magnet support and LED indicator, consisting of two magnet plates, connected by twisted cable. Is widely used to protect tablets, mobile phones, navigators, ebooks, etc.

Sensor reliable housing, made of impact-resistant ABS-plastic, does not leave tracks on it even after several years of operation. Special magnets provide reinforced clutch of the sensor critical parts. It allows to place on the sensor huge smartphones, tablets, ebooks, etc., even on the wall in vertical laying-out. Special design of twisted cable and its slots allows to provide long-term operation.

D-FLY PROTECTIVE SENSORS

Protective sensor №9

This sensor is equipped with magnet support, a tiny sensor and LED indicator. This is one of the mostly wide used sensors, designed to protect mobile phones, smartphones and communicators.



The sensor rear plate is glued firmly to any smooth surface by means of special sticker, made from 3M manufactured material, and the sensor front plate, together with additional sensor a glued to the good on special 3M silicon sticker, not leaving the tracks and having the strengthened glueing features, allowing to hold firmly on the sensor any good from tiny phones to huge tablets.



D-FLY PROTECTIVE SENSORS



Protective sensor №10

The sensor is applicable for all types of photo- and videocameras, and very convenient in operation, as soon as it does not demand for any special stickers. Protective sensor consists of support with LED indicator, which is fixed on the shelf by 3M special sticker, and sensor itself, which is fixed on a good by a screw, twisting by special key into a goods' hole for a tripod.



Sensor is inserted into support and allows to take a good into the hands freely. Support and sensor are connected by twisted cable. A screw, twisted into a tripod hole, closes the circuit, and the protection system will produce sound signal if any unauthorized attempt to remove a good from the sensor occurs.

D-FLY PROTECTIVE SENSORS

Protective sensor №14

This sensor is also used to protect all kinds of photo- and video cameras, but in contrast to below mentioned sensor №10, it has one peculiarity which is very important - there is an additional sensing element on the upper side of the sensor. This additional sensing element is designed to protect photo- and video equipment removable components (accumulators, SLR cameras removable lenses, etc.). It also consists of support with LED indicator. The support is fixed on the shelf by means of 3M special sticker and of sensor, which is fixed on the good by means of a screw and is twisted into the photocamera tripod hole. Additional sensor is attached to the merchandise removable parts and provides their reliable guard. The sensor is universal enough. Than there is no need to use additional sensor, it is easily removed, and the basic sensor can be operated alone.



Protective sensor №14C

Protective sensor with recharge function. On its upper side the sensor has additional sensor, designed for protection of removable parts of photo-video equipment (accumulators, SLR cameras removable lenses, etc.), and on its lower side the sensor is equipped with special recharge cable slot. One cable end is linked to the sensor and another end is linked to the good.

The sensor consists of support with LED indicator, which is fixed on the shelf by means of special sticker, and of the second part, which is fixed on the good by means of the screw, twisted into the camera tripod hole.



D-FLY PROTECTIVE SENSORS

Protective sensor №6C

Protective sensor with recharge function. Is designed for protection of goods that demand permanent power supply to support their 24 hours operation: tablets, mobile phones, navigators, ebooks, etc.



The sensor with magnet support, LED indicator and recharge cable slot. The sensor consists of two magnet plates (the plates are connected by twisted cable). The sensor rear plate can be glued to any smooth surface by means of the special sticker. The good itself is glued to the sensor front plate - by means of special 3M silicon sticker. It does not leave the tracks and allows to keep any good firmly fixed on the sensor. Recharge cable, which provides connection with a good, is switchable to the sensor upper plate.

D-FLY PROTECTIVE SENSORS

Protective sensor N°9C

Protective sensor with recharge function. The sensor is designed for mobile phones, smartphones and communicators protection with power supply. This sensor is equipped with magnet support, a tiny sensor and LED indicator.



The sensor upper side is equipped by special slot for a recharge cable. Twisted cable and slots special design allow to provide uninterrupted performance during the long run operation. The sensor allows to keep any good permanently charged. It enhances appeal of the good for a customer.

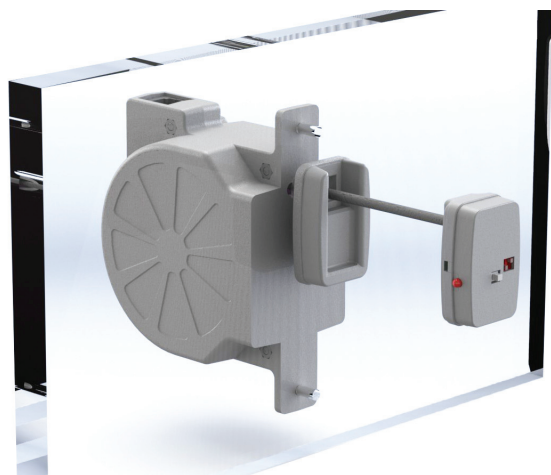
D-FLY PROTECTIVE SENSORS



Protective sensor №26

Sensor №26 is designed for open access mobile electronic devices theft protection (mobile phones, tablets, navigators, ebooks, etc.) with use of reel function. Absence of redundant cables increases a sales volume by giving a buyer an opportunity to concentrate on commodity with total attention. This sensor is oriented towards the most demanding buyers. A reeling device, switched to the sensor, is located behind the shelf. As a result, there are no pendent cables from the outside, and the best performance of open access to a good is achieved.

The device special mechanism together with sensor durable mount provide its uninterrupted operation over the many years of application. The sensor is equipped by the slot for additional sensing element, providing the merchandise total protection.

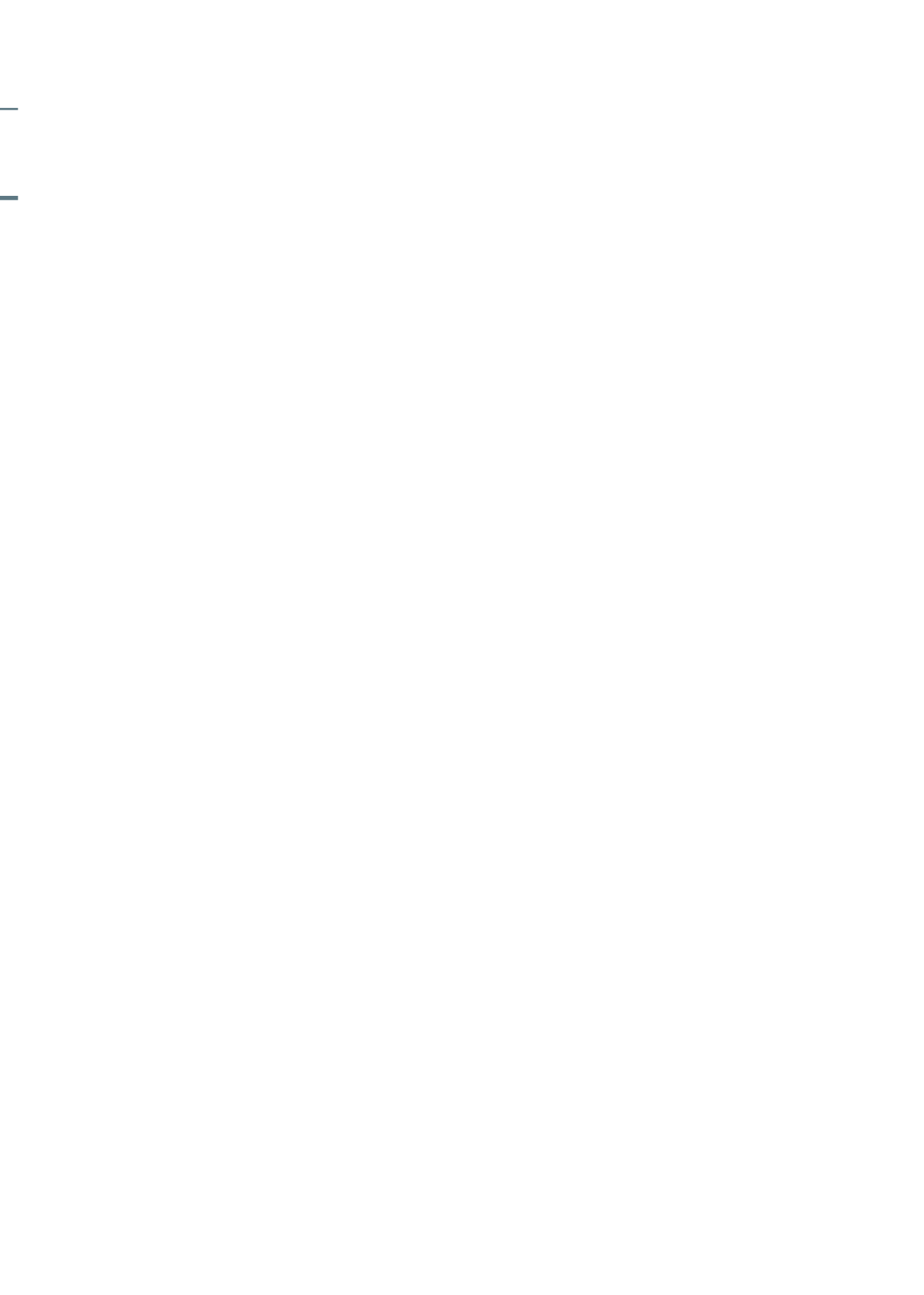


D-FLY PROTECTIVE SENSORS



Protective sensor №26C

Sensor №26C with recharge function is designed for open access mobile electronic devices theft protection (mobile phones, navigators, ebooks, etc.) with use of reel function. The sensor keeps any good charged. The recharge function is provided by charging cable, one end of which is connected with the sensor, and another - with a good.





D-Fly

***COSTLY GOODS THEFT
PROTECTION SYSTEM***

