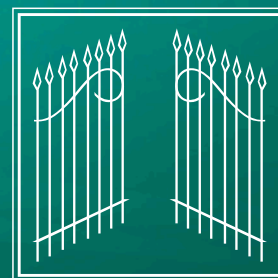
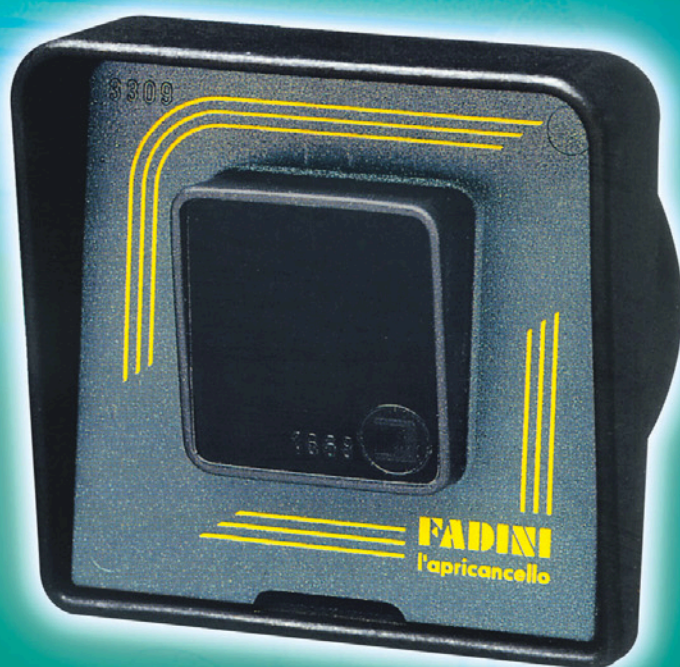
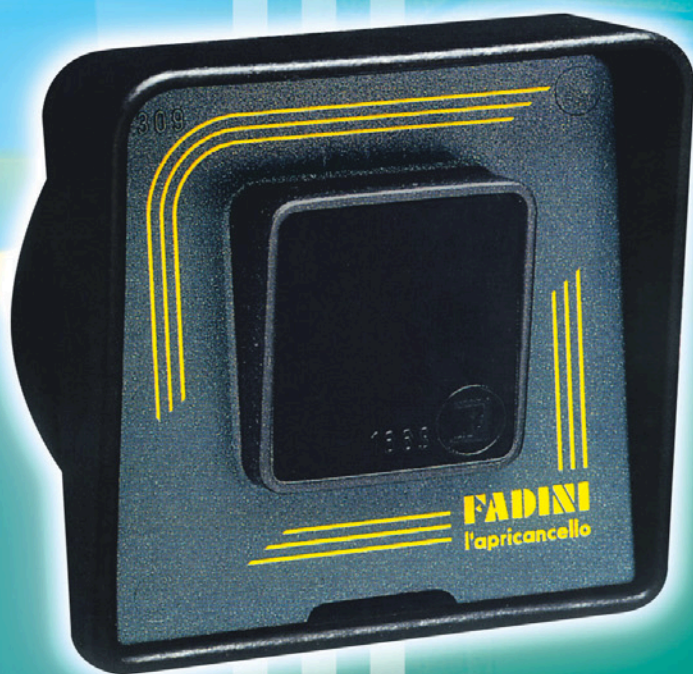


DIFO

33

➤ Photocells with infra-red modulated light



FADINI®
the gate opener

DIFO 33 PHOTOCELLS

The photocell **DIFO 33** is a safety device that consists of a projector and a receiver working with high frequency, modulated, infra-red light. It has been designed for external post or wall mounting and provides safe auto entry/exit control. It is made of highly resistant materials enclosed in a container of nylon and glass fibers. A pressure cast aluminium model is available on request. Pre-heating during assembly ensures condensation-proof units. Fixing is by means of 3 screws, which also can be used to adjust the units so that the two centres are perfectly aligned. A green led, placed near the lens of the receiver, switches on when alignment has been set. As long as the green led is on, the system is fully operating. Totally unaffected by other sources of light, either direct or reflected, DIFO 33 can bear any atmospheric conditions (snow, rain, fog) and ensures maximum efficiency of the system within a 12 m operating distance.

Whenever the invisible, modulated ray of light is interrupted by an obstacle, some electronic components are automatically operated until the obstacle is removed or moves beyond the beam of light. All the components are of tested reliability and carefully selected, and guaranteed by our long technical experience in designing and developing photocells. The DIFO 33 units are constructed by experts at MECCANICA FADINI, a company whose prestige is synonymous with construction perfection.

Technical specifications

Modulated light frequency	1'100 Hz
Operating voltage	24 Vac/dc
Projector power absorption	30 mA
Receiver power absorption	30 mA
Working temperature range	-10°C +70°C
Operating distance	1A - 125 V - 60 VA max
Output contact	12 metri
Protection standards	IP 33
Circuit	solid state hybrid thick-film circuit
Weight of one pair	270 gr

N.B. To achieve a perfect alignment of the photocell set, the two containers must be fixed one opposite the other, at the same height from ground level. Proceed to the electrical connections as described by the diagrams herewith, then fix the inner body that supports the lens. Alignment is achieved by means of three screws. First fix the receiver, then the projector. An index of achieved alignment is by the lens, ie. the inner LED of the receiver: if the red LED illuminates the lens, the pair is not aligned; if the lens remains white, ie. neutral, the pair is aligned. Once alignment is achieved, fit the protection screen. Should two sets of photocells be installed, it is recommended that the projector of one set is placed parallel to the receiver of the other set. Setting the photocell units when it is dark, will ensure a really perfect alignment and, consequently, an optimum, long-lasting performance of the system.

Distributor's box

The manufacturers reserve the right to change the products without any previous notice

The "CE" mark certifies that the operator conforms to the essential requirements of the European Directive art. 10 EEC 73/23, in relation to the manufacturer's declaration for the supplied items, in compliance with the body of the regulations ISO 9000- UNI EN 29000. Automation in conformity to EN 12453, EN 12445 safety standards. The growth of MECCANICA FADINI has always been based on the development of guaranteed products thanks to our "TOTAL QUALITY CONTROL" system which ensures constant quality standards, updated knowledge of the European Standards and compliance with their requirements, in view of an ever increasing process of improvement.

Accessories



Item No. 3340
Post with
fixing base 150x100
0,5 m



Item No. 3342
Post for concrete
embedding 0,75 m
zinc coated steel



Item No. 3347
Foundation base plate
110x80 for post with stand



Item No. 3341
Foundation base plate
150x100 for post



Item No. 3350
Pressure cast
aluminium container
for the photocell



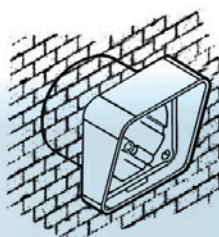
Item No. 3349
Plastic container
for the photocell



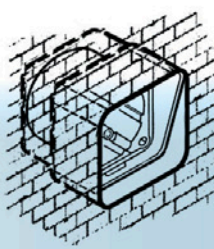
Item No. 3351
Plastic support box
for the surface application
of the photocell



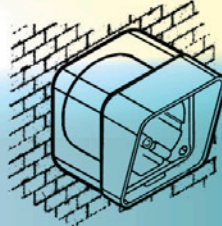
Item No. 3343
Support box for surface
application of the photocell.
Zinc coated steel



Partial recess mounting

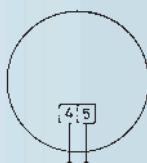


Recess mounting with
embedding box of nylon
to enclose the photocell



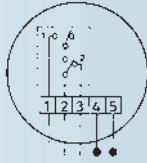
Surface mounting
with support box

PROJECTOR

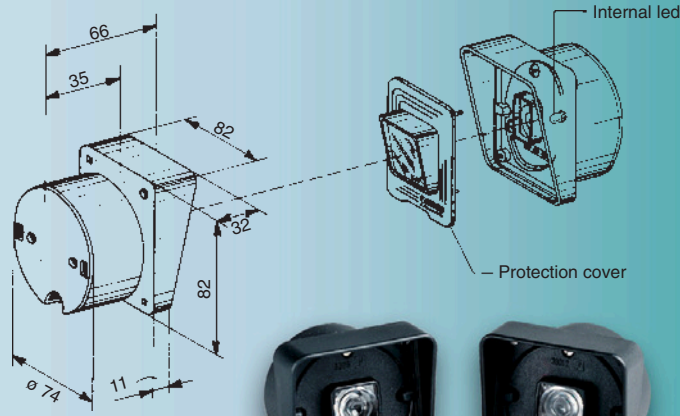


24 Volt AC/DC

RECEIVER



N.O. Contact
Common
N.C. Contact
24 V AC/DC



Two change-over relays
one with N.O. contact
one with N.C. contact
EN 12453, EN 12445
Safety Standards



AUTOMATIC GATE MANUFACTURERS



EUROPEAN MARK CERTIFYING
CONFORMITY TO THE
ESSENTIAL REQUIREMENTS
OF THE STANDARDS 98/37 EC

- DECLARATION OF CONFORMITY
- GENERAL WARNINGS
- EN 12453, EN 12445 STANDARDS
- CEI EN 60204-1 STANDARDS
- WARRANTY CERTIFICATE ON THE CUSTOMER'S REQUEST