## Accessories

## Part Number Description

$013.0008 \quad$ Galvanized steel pipe elbow with upper threaded end only
315.3210
G13.3010 Galvanized steel pipe elbow with both threaded ends
013.0001 Set of two ryton rings to support the isolation transformer receptacle inside the steel pipe elbow
303.6160 the steel pipe elbow Threaded coupling to lock the secondary plug-socket connection on pipe elbow
303.6160
011.0517
011.0524
011.0524
011.2501
315.3230
315.3230
315.3240
303.6130
303.6120

Special isolation transformer for series circuits 600 VA 6.6/4.2 A (CCR-SCR type)
Special isolation transformer for series circuits $600 \mathrm{VA} 6.6 / 2.2 \mathrm{~A}$ (CCR-sinusoidal wave type)
Grounding connector, to ground the special isolation transformer secondary
Mounting pole 500 mm long, $2^{\prime \prime}$ dia
Mounting pole 1000 mm long, $2^{\prime \prime}$ dia
Breakable coupling for poles up to 500 mm
Breakable coupling for poles between 501 and 1000 mm
Levelling and alignment device for standard light
Levelling and alignment device for standard light equipment or for flashing head on 2 " dia pole

Renewal Parts
Part Number Description
$\begin{array}{ll}155.2556 & \text { Complete control box for OC62R-P-1-C and OC62R-P-1-N } \\ 155.2557 & \text { Complete control box for OC62R-S-1 }\end{array}$
155.2562 Complete control box for OC62R-S-1-C and OC62R-S-1-N
155.2566 Complete control box for OC62R-S-3-C and OC62R-S-3-N
$\begin{array}{ll}155.2566 & \text { Complete control box for OC62R-S-3-C and OC62R-S-3-N } \\ 155.2570 & \text { Complete control box for OC62R-P-1-F }\end{array}$
155.2572 Complete control box for OC62R-S-1-F
$155.2564 \quad$ Complete control box for OC62R-P-3-F
$\begin{array}{ll}155.2568 & \text { Complete control box for OC62R-S-3-F } \\ 155.2200 & \text { Flashing head complete with lamp grad }\end{array}$
$\begin{array}{ll}155.22001 & \text { Flashing head complete with lamp, graduated support and wiring } \\ 150.1051 & \text { Motherboard for parallel flashing }\end{array}$
150.1051
150.1052
150.1490
150.1298
150.1318
150.0909
150.0915
150.0916
150.0916
150.3071
150.3071
100.0889
491.0110
462.0279
487.0212
462.0287
479.0238
481.0129
323.2360
760.1910
341.0750
342.0750
3250160
150.1123
491.0111
155.2210
155.2503
754.0002
495.0105

Motherboard for series flashing light
Power supply card for parallel flashing light
Power supply card for series flashing light
Power supply card for series flashing light
Control card for for 3 -step flep flashing ling light
HV card for parallel/series flashing light
First capacitor card for 3-step flashing light
Second capacitor card for 3-step flashing ligh
$30 \mathrm{\mu F}$ capacitor for 1 -step flashing light
$30 \mu \mathrm{~F}$ capacitor for 1 -step flashing light
Detector TA for 1 -step flashing light for for lamp monitoring
Microswitch for control box
Main switch for control box of parallel flashing ligh
4A main switch fuse for parallel flashing light
Auxiliary realy for independent switching ON/OFF of the REIL system
Base for auxiliary relay
Cable lead, size $2 \times 2.5$ sqmm, 1.000 m long, with L-823 plug for control box of series flashing light
Clip for lamp locking-56
Lamp silicone gasket
Insulated strip with ignitor and terminal strip
Microswitch for lamp body
Standard wiring with flexible pipe
Breakable coupling for supporting structure
Collar for box mounting, complete with nuts and washers
Gemov type V275LA40

## (EnergyTechnology

Via 2 Agosto 1980, 11
40016-S. GIORGIO DI PIANO - BOLOGNA (ITALY)
tel: +390516566611 - fax: +390516650099
©OCEM

# Runway End Identification Light 

Applications
The REIL discharge-type flashing light equipment is used on threshold for additional conspicuity or where other approach lighting aids cannot be case, symmetrically mounted on side of the symmetrically threshold. They flash contemporanery at the rate of two cycles per second. In case of one of the two lamps fails the entire system is switchedoff automaticcaly. The equipment is
available to be powered by parallel or series circuits.

Features

LIGHT DESCRIPTION: each light fixture consists of a flashing head and control box, mounted on the same supporting structure. If required, the
flashing head can be separately mounted flashing head can be separately mounted
on independent mounting pole with breakable coupling. Maximum distance allowable between head and box: 50 m . The REIL may provide one High Leve brightness step only or three brights

CONTROL BOX: the power supply of each REIL light is provided by a stainles steel control box, protection degree IP67, containing a removable supporting fram on which all electric and electron
The control box of a 3 -step flashing light basically includes:

- a safety microswitch, which cuts off the power supply when the control box door is open,
contacts with live parts;
- the terminal strip for
supply and control cables;
- the main switch mounted on the
- the motherboard; trip
- the motherboard;
- the withdrawable power supply card which provides the rectified powe
supply and all the auxiliary voltages
- the withdrawable control card, which controls the charging voltage of the capacitors, the ignitor operation and
the proper flashing synchronisation;

How to Order
To the basic part number add the power supply, the required brightness levels, the mounting assembly and the wiring length
Order separately the following:

- pipe elbows (threaded anchor is included)
- "Special isolation transformer and primary connector kit (in case of power supply
- mounting pole with breakable coupling or frangible pole for flashing head (in case of mounting "N" or "F",


## EXAMPLE:

EXAMPLE: 007 is a 3 Rell provided for paralle power supply, with flashing head and control box mounted on the same supporting structure.

## Basic Part

Number : $\square-\square-$ $\square-\square \square$ $\square$Power Supply :
$\mathrm{S}=$ Series $2.8 / 6.6 \mathrm{~A}$
$\mathrm{P}=$ Parallel $220 / 240 \mathrm{VAC}$
Brightness Levels :
$1=$ Fixed
$3=3$ Steps
Mounting Assembly : $\qquad$
= Clese (hashing head and control box mounted on the same
$\mathrm{C}=$ Close (Alashing
$N=$ Near (distance flashing head-control box $\leq 10 \mathrm{~m}$ )
$\mathrm{F}=\mathrm{Far}$ (disala
Wiring Length :
Wiring Length :
$000=$ Wiring NOT INCLUDED
$007=$ Standard Wiring (for Mounting Assembly "C" only)
$\ldots . . .=$ Length fixed by the Customer (in dm)
(for Mounting Assembly "N" or "F" only)
(Example: wiring length of 8.5 m - indicate 085)

## Options

L1 = Cumulative Lamp Failure Monitoring
$\mathrm{L2}=$ Selective Lamp Failure Monitoring
he circuit includes a pilot switch to make the control box MASTER or AVE, six dip-switches to program light flashing sequence and her six dip-switches to set the equipped with a five position rotary witch (REM - OFF - Low Medium - High) to locally select the brightness level;
the withdrawable HV card, which provides the charge of the for the ignitor;

- two removable capacitor cards, each equipped with fifteen $1 \mu$ capacitors which are wired so the lamp may provide the required thre
the relay card
select the proper capacitor battery according to the brightness leve fixed by the remote/local control.
The three withdrawable cards are safety mechanical interlock, to avoid wrong connections in case of unprope insertion
light the relay card is not mounted and the two capacitor cards are replaced by $30 \mu \mathrm{~F}$ capacitor only.
The control box is provided with glands for cable entry
supplied complete with a cable box rubber insulated and neoprene sheathed size $2 \times 2.5 \mathrm{sq} . \mathrm{mm}, 1.000 \mathrm{~m}$ long, with If required the
If required the remote lamp monitoring cumulative that at least indication to inform omplete flashing system is the flashing;
- single back indication to inform exactly which lamp of the flashing system is not working.


## ISOLATION TRANSFORMER:

 special isolation transformer is available circuit. The transformer is rated 600 VA $6.6 \mathrm{~A} / 4.2 \mathrm{~A}$ or $6.6 \mathrm{~A} / 2.2 \mathrm{~A}$ (for CCR-SCR type or CCR-sinusoidal wave type respectively), designed by following the criteria fixed by FAA Specs AC$150 / 5345-47$ for the standard series isolation transformers. It is moulded into a heavy layer of insulating synthetic
compound and is complete with two primary cable leads, 0.600 m long, with circuit connection, and a secondary cable lead, 1.200 m long, with FAA L-823 socket for box connection.

## SUPPORTING STRUCTURE: it

 consists of two supporting pipes with and breakable coupling in the lower side; the box, provided with two langes in the rear side, is fixed to each flashing head is fixed through a special flange to one of the two pipes by means of two collars.
## FLASHING HEAD BODY: the body

 of the flashing head consists of an aluminium casting, with stainless steel clips, securing the PAR-56 lamp with silicone gasket. It contains a safetymicroswitch, which cuts off the power supply if the lamp is not properly in place. The ignitor and the terminal strip, fixed on an insulated support, are mounted on the rearside of the lamp,
using one of the lamp screw terminal.

## GRADUATED SUPPORT:

 consists of a cast aluminium piece complete with graduated scales to check horizontal and vertical aiming. The body aiming and locked to it by means of two screws; the support can rotate on the special flange for horizontal aiming and is fixed to it by means of three screws.LAMP: the lamp is a flashing xenon lamp, QPAR-56 bulb, type HV1-734, 1000 hour rated life at two flashes per seconds.

WIRING: the standard connection between the control box and the flashing head consists of:

- a HV wire, size $1 \times 0.93$ sq.mm, - four wires, size $1 \times 15$, insulated for 750 V operation;
a grounding wire, size $1 \times 6 \mathrm{sq} . \mathrm{mm}$.
All wires are 1.35 m long; for mechanical All wires are 1.35 m long; for mechanical plastic pipe, 0.750 m long.
Longer and different wires as necessary are supplied on request.

Instruction Manuals: UT-MT-422 for 3-Step Parallel Flashing Ligh UT-MT-426 for 3-Step Series Flashing Light UT-MT-424 for 1 Step Series Flashing Ligh
Shipping Weight
28 Kg
Shipping Volume $\quad 0.23$ cu.m
The unit is shipped completely assembled, the flashing head and the control box mounted on the supporting structure, except the breakable coupling and the lamp which are delivered separately for safety purpose.

## Outline Drawings





