SAFETY & SECURITY **JADE**

Anti explosive type luminaires

EExd IIC T6 T85°C Y EExd IIC T6 T85°C

CE 0163 Ex II2GD

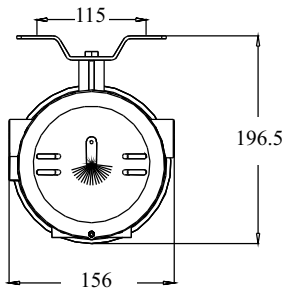
IP-66

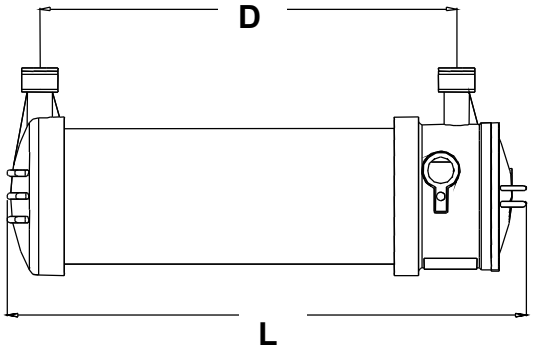
CONFORMITY WITH STANDARDS EN 60598-2-22 - UNE 20392.93 - UNE 20062.93 - EN 50014 EN50018

CONFORMITY TO DIRECTIVE 94/9/CE (ATEX) CERTIFICATE Nº 02ATEX2041 X

DIMENSIONS

TYPE	L	D
FSA-8202C	485mm	391mm
FSA-8203C	485mm	391mm
FSA-8352C	485mm	391mm
FSA-2118C	750mm	656mm
FSP-3236CC	1350mm	1256mm
IFA-3136P	1350mm	1256mm
IFA-3236	1350mm	1256mm
IFA-3236P	1350mm	1256mm
IFA-4258P	1650mm	1556mm





MOUNTING & CONNECTING

FIG. A

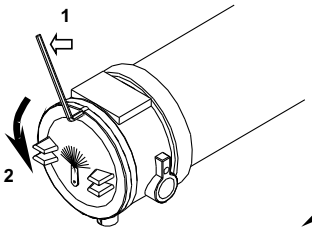


FIG. B

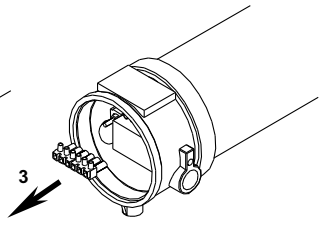


FIG. C

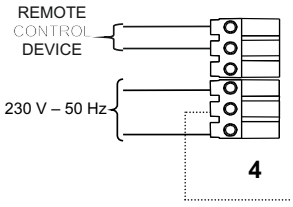
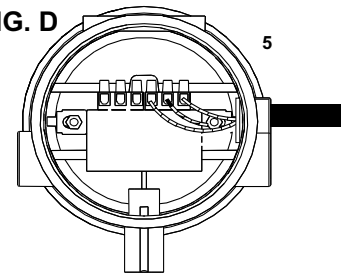


FIG. D



1. Unscrew the hexagonal screw with 2 mm Allen key (Fig. A).
2. Turn the cover until completely being taken off (Fig. A).
3. Extract the connecting plates (Fig. B).
4. Connect the wires to the mains supply (Fig. C). The main supply connection are indicated on the label next to the connecting plate. The connections must be done with the mains supply cables out of tension. The mains supply cables must be introduced into the housing through the metallic stuffing box due to ATEX directive and certified by an organism, adapted to used cables (threads: ¾ NPT).
5. Insert again the connecting plates into their right place (Fig. D).
6. Put the cover in its place and turn it until being completely closed (fig E).
7. Screw the hexagonal screw with the 2 mm Allen key (Fig. E). Maximum tightens force: 0.85 N*m (±15%)
8. Mount the ceiling-bracket. The ceiling-bracket are mounted in the housing with screws M8x15 + ø16/8.5 flat washer + ø14/8.5 fluted washer (Fig. F).
9 .Fix luminaire in ceiling or wall, screwing in the holes located in the ceiling-bracket (Fig. F).
10. Mains supply: ~230 V 50 Hz .

FIG. E

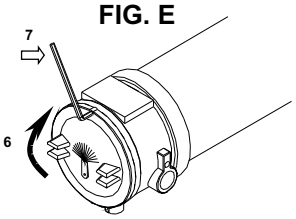
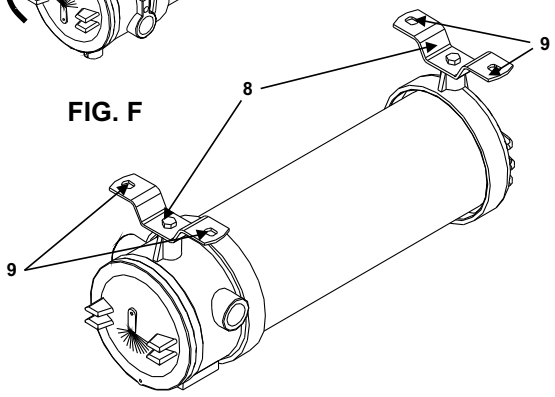


FIG. F



MAINTENANCE

FIG. A

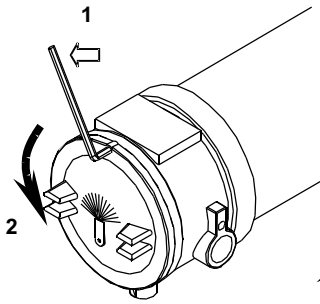


FIG. B

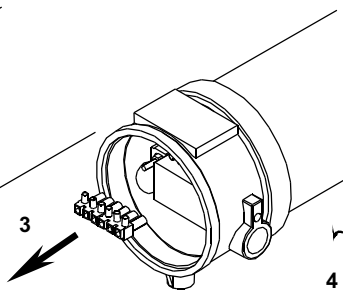


FIG. C

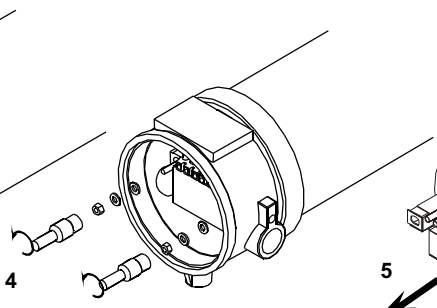


FIG. D

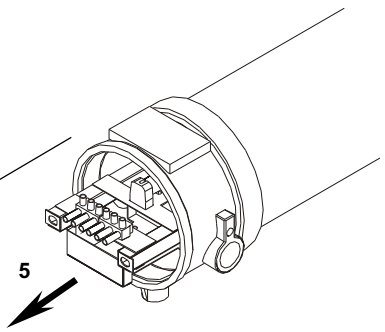
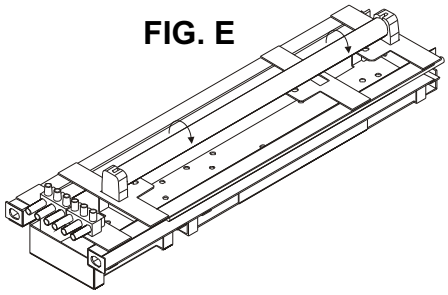


FIG. E



Do not open the luminaire with the mains supply present or working in emergency mode in a potentially explosive atmosphere.

Before doing any maintenance operation, remove mains supply and turn off using the remote control device.

If there is no remote control device connection, do not open the housing in an explosive atmosphere.

1. Unscrew the hexagonal screw with the 2 mm Allen key (Fig. A).
2. Turn the cover until being completely taken off (Fig. A).
3. Take away the connecting plates, without disconnecting any wire (Fig. B).
4. With the 10 mm tube-key, take away the two M5 nuts and the washers, that fix metallic chassis inside the luminaire (Fig. C).
5. Take away the metallic chassis (Fig. D).
6. To change the fluorescent lamp/s, turn the tube 90º and take it away. To put the tube again, turn it until it is correctly nailed (Fig. E).
7. To disconnect the batteries, we first disconnect the positive and negative poles, then take away the used battery. Before placing the new battery, check that the battery is the right one for that luminaire. Place the new battery in its position and connect the positive and negative poles, keeping the initial polarity. In case of replacing a protection fuse, the new fuse must have, obligatory, the same characteristics than the replaced one.
8. Insert the metallic housing into the housing as shown in figure F.
9. With the 10 mm tube-key, screw the two M5 nuts and the washers, that fix the metallic chassis inside the luminaire (Fig. G). Maximum tightens force: 2.85 N*m (±15%).
10. Insert the connecting plates, with all the connections, in its place inside the luminaire (Fig. H).
11. Place again the cover turning clockwise, making sure that it has been completely closed (Fig. I).
12. Screw the hexagonal screw with the 2 mm Allen key (Fig. I). Maximum tightens force: 0.85 N*m (±15%).

FIG. F

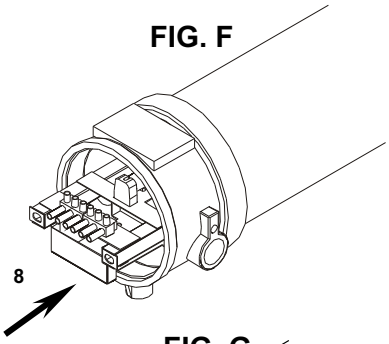


FIG. G

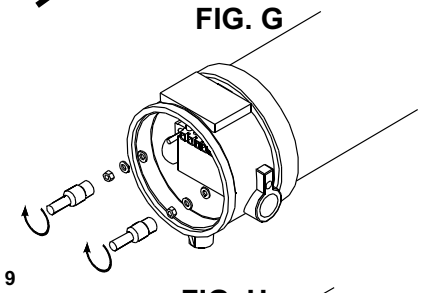


FIG. H

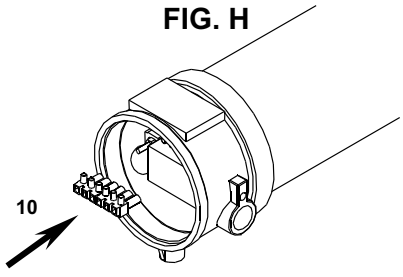
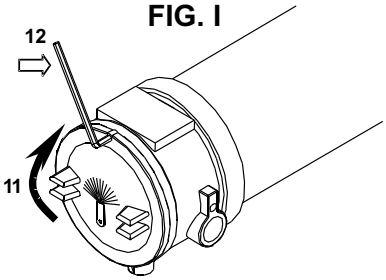
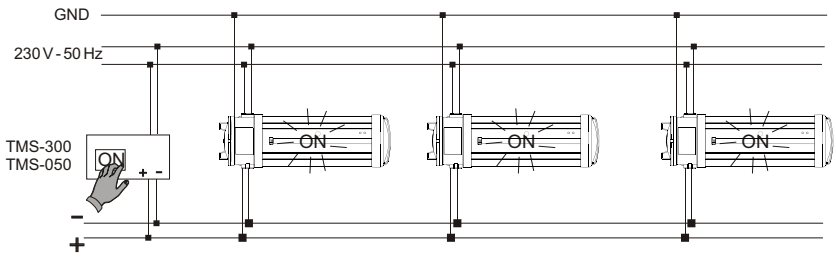


FIG. I



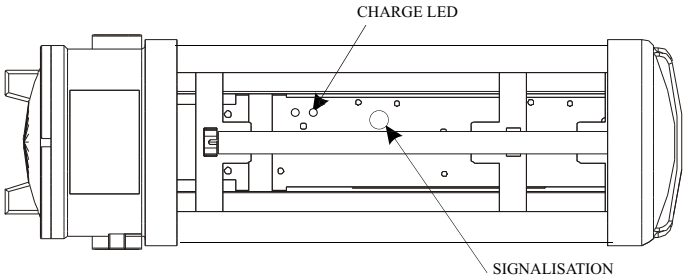
REMOTE CONTROL CONNECTION



REMOTE CONTROL DEVICE:

With a remote control device mod. TMS-050 or TMS-300, installed according the scheme, this device can change from emergency to stand-by mode (only with mains supply off). This operation can be made in indepently with each luminaire in the installation. The remote control must be kept out of people's reach. **Luminaire must be in stand-by mode before opening it in presence of a potential explosive atmosphere.**

SERVICE SETTING:



- CONMUTATION AND LAMPS WORKING TEST:
Using remote control device.
* CHARGE LED ON: Battery and charge correct.
* CHARGE LED OFF: Defective battery or charge.

AUTONOMY TEST: ZT SYSTEM
This equipment includes an electronic circuit which permits the realisation of an autonomy test with mains supply present, activated by remote control device.
The test can be made in a conventional way without disconnecting the mains supply

BATTERIES REPLACEMENT:
Batteries must be changed when the duration is not in accordance with the assigned duration.
NOTE: In order to enlarge the life of the batteries, it is convenient to make periodical complete discharges (disconnecting the mains supply) at least every 10 weeks.

LABELLING OF THE LUMINAIRE:
The luminaire characteristics are marked in a rectangle, divided in 4 cells that indicate:
X: Self contained luminaire. 0: Non maintained 2: Maintained B: Stand-by mode by means of remote control
The fourth cell indicates the nominal duration of the luminaire in minutes:

PHOTOMETRIC CURVES:
Under request (see catalogue).

Technical characteristics

NON-MAINTAINED LUMINAIRES

TYPE	OPERATION VOLTAGE	CONSUMPTION	BATTERY Ni - Cd	DURATION	LAMP	LIGHT OUTPUT	WEIGHT
FSA-8202C	220-240VAC / 50-60Hz	4.5 VA	3.6V / 1.5Ah	60 minutes	Fluorescent 8W	150 lm	3.5 Kgr
FSA-8203C	220-240VAC / 50-60Hz	4.5 VA	3.6V / 4Ah	180 minutes	Fluorescent 8W	150 lm	3.5 Kgr
FSA-8352C	220-240VAC / 50-60Hz	8 VA	3.6V / 4Ah	60 minutes	Fluorescent 8W	280 lm	3.8 Kgr
FSA-2118C	220-240VAC / 50-60Hz	8 VA	3.6V / 4Ah	60 minutes	Fluorescent 18W	500 lm	5.5 Kgr

MAINTAINED LUMINAIRES

TYPE	OPERATION VOLTAGE	CONSUMPTION	BATTERY Ni - Cd	DURATION	LAMP	LIGHT OUTPUT MAINTAINED / EMERGENCY	WEIGHT
FSP-3236CC	220-240VAC / 50-60Hz	104 VA	4.8V / 4Ah	60 minutes	Fluorescent 36W	3300lm / 1000 lm	7.7 Kgr

MAINS LUMINAIRES

TYPE	OPERATION VOLTAGE	CONSUMPTION	DIFFUSER	LAMP	LIGHT OUTPUT	WEIGHT
IFA-3136P	220-240VAC / 50-60Hz	100 VA	Polycarbonate	Fluorescent 36W	3300 lm	5.4 Kgr
IFA-3236	220-240VAC / 50-60Hz	200 VA	Glass	Fluorescent 2x36W	6600 lm	12.9 Kgr
IFA-3236P	220-240VAC / 50-60Hz	200 VA	Polycarbonate	Fluorescent 2x36W	6600 lm	6.3 Kgr
IFA-4258P	220-240VAC / 50-60Hz	260 VA	Polycarbonate	Fluorescent 2x58W	10400 lm	6.8 Kgr