

## 230 V - 50/60 Hz S.A.T.I. self-contained emergency lighting units automatic build in test system for armoured or non-armoured cable flameproof



0949 58 Fluorescent with switch

Can be controlled remotely  
and maintained in the zone



0949 66 Incandescent without switch

### Luminaire can run automatic tests and be maintained in the zone

- Power supply : 230 V + 6 - 10% - 50/60 Hz
- Standby time (as in standard): 1 hr for non-permanent emergency lighting
- SATI unit: automatic built-in test system
- Memorisation of tests indicated by diodes
  - automatic lamp check every 7 days
  - automatic lamp and battery check every 70 days
- Can be remotely controlled and checked without switching the mains off with Legrand remote control unit Cat. No. 039 01 or URA 0954 48 and 0954 50 (to be placed outside the zone), protected against connection errors. Manual ignition of all the units (maximum 300) for visual inspection of their operation
- Zamak end caps and cover, anticorrosion treated and painted grey
- Sealed toughened glass tube
- Threaded flamepath
- Threaded access cover with O ring seal
- Operates in any position
- Interchangeable flameproof battery pack
- Fixed using 2 integrated lugs

#### Space lighting

- 8 W fluorescent units nominal out put 415 lm standby time 1 hr, consisting of :
  - One 8 W fluorescent tube
  - Charge indicator : 4 nos. yellow Led. (life time over 10 years)

#### Escape route lighting

- Incandescent units nominal flux 63 lm standby time 1 hr, consisting of:
  - Two 3.6 V - 1 A emergency lamps BA9S
  - Charge indicator : 4 yellow Led. (life time over 10 years)

#### Switched version

- Secured by padlockable handle which cuts off the mains power supply to the unit and the remote control unit
- One 3/4" NPT threaded cable entry
- Connection via four 2.5 mm<sup>2</sup> terminals

Space lighting	Lumen out put	Standby time	Weight (Kg)	Volume (dm <sup>3</sup> )	Cat. No. 230 V	Pack
8 W fluorescent	415 lm	1 hr	10	40.4	<b>0949 58</b>	1
Escape route lighting						
Incandescent	63 lm	1 hr	10	40.4	<b>0949 65</b>	1

#### Unswitched version

- Two 3/4" NPT threaded cable entries
- Supplied with one 3/4" NPT blanking plug
- Connection to plug-in terminal block via 2 x 5 x 2.5 mm<sup>2</sup> terminals

Space lighting	Lumen out put	Standby time	Weight (Kg)	Volume (dm <sup>3</sup> )	Cat. No. 230V	Pack
8 W fluorescent	415 lm	1 hr	8.1	37.1	<b>0949 59</b>	1
Escape route lighting						
Incandescent	63 lm	1 hr	8.1	37.1	<b>0949 66</b>	1

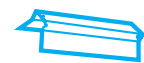
#### Accessories

##### Fixings - set of 2 brackets

	Cat. No.	Pack
Quick one-hand fixing, zinc-plated steel	<b>0948 97</b>	1
316 stainless steel version	<b>0948 89</b>	1
Fixing on flat surface, zinc-plated steel	<b>0948 98</b>	1
316 stainless steel version	<b>0948 90</b>	1
With zinc-plated brackets for fixing on		
- 1" 1/4 (Ø 42 mm) or 1" 1/2 (Ø 49 mm) tube	<b>0948 99</b>	1
- 316 stainless steel version	<b>0948 92</b>	1
- 2" (Ø 60 mm) tube	<b>0948 91</b>	1
- 316 stainless steel version	<b>0948 93</b>	1
8 W fluorescent lamp	<b>0949 90</b>	5
3.6 V - 1 A emergency lamp , BA9S	<b>0949 95</b>	25

##### Réflexor

White painted galvanized steel, guard fitted separately



**0948 66** 1

##### Protective guard

Zinc-plated steel (20 microns), reflector fitted separately



**0948 76** 1

Fall prevention fixing kit (1.20 m stainless steel chain) **0938 19** 1

For special options, please consult us:

- Polycarbonate protection for glass tube

Spare parts (see page 290)

Signalling label

Zone 1 & 2 - 21 & 22		ATEX	IEC	EC	II2 G/D
EEx d IIC	T6	T = 85°C	IP 66/67	IK 09	

## TECHNICAL DATA

Zones : 1 and 2 and 21-22

Classification :

- According to CENELEC:
  - Conforming to ATEX - 94/9 EC Directive and standards EN 50014-18
  - EC 0081 II 2 G for gas EEx d II C T6
  - EC 0081 II 2 D T = + 85°C for dust
- According to IEC :
  - Ex d II C T6
  - Conforming to IEC standards 60079-0/1
  - DIPA 21 - TA = + 85°C for dust

Approvals :

- Approved type FLd
- CENELEC LCIE 97 ATEX 6012
- IEC LCIE Ex 03.012
- **CE** declaration of conformity No. 50203
- Conforming to standards EN 60.598-1 and IEC 60.598-1 for luminaires
- Conforming to standards EN 50281-1-1 and IEC 61241-1-1 "combustible dust"
- Conforming to standard NF C 71-801
- Granted the NF AEAS quality mark
- Conforming to standards EN 55015 and EN 61547 concerning electromagnetic compatibility (EMC)

Protection index :

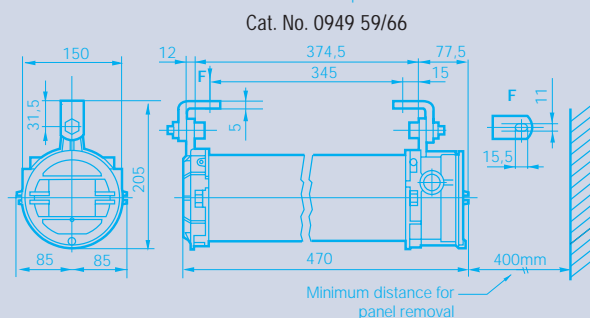
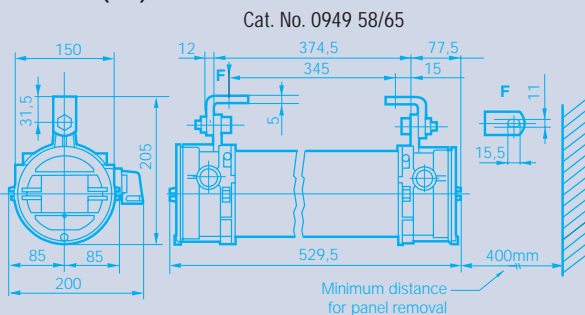
- IP 66/67 according to IEC 60.529 and EN 60.529
- Impact resistance IK 09 according to EN 50102

Anticorrosion treatment and climate protection : see page G50

Operating temperature :

- 20°C to + 55°C, optimum operating range for the batteries - 5 to + 30°C

Dimensions (mm) :



### Product features/customer benefits

- Flameproof battery with switch : **easy maintenance in zone**
- Threaded access cover with O ring seal : **improved ingress protection**
- Version with external padlockable switch : **easy maintenance**

Data sheet available on request

## 2 advantages of automatic built in test system

### 1- Maintenance in hazardous areas

S.A.T.I. units can be maintained in the hazardous zone as they incorporate a switch which operates automatically when the cover is unscrewed and opened. This switch cuts off the battery power supply, thus preventing any electrical sparks.

Some models have a padlockable switch which cuts off the external electricity supply and the remote control circuit.

### 2- Self-test

Using a microprocessor and an internal clock, the unit will carry out automatic tests:

- Every 7 days : lamp test for 6 seconds.
- Every 70 days : lamp and battery test for 1 hour.
- Within each quarter, the unit chooses a week to carry out an emergency duration test in addition to the lamp test.



## Two solutions in response to the requirement

For example in France, article EC 20 of the Safety Regulations requires owners to carry out regular inspections of the emergency units and installation:

- Daily inspection: correct operation of installation and lighting units
- Weekly inspection: ignition of all lamps and mains supply/battery changeover

### 1- Adressables lighting units

Centralised control of up to 1000 emergency lighting units from a computer screen is possible using the URAVISION system from URA.

The system collects all the necessary data on the conditions of the units, as well as their precise locations.



**Continuous green indicator lamp: unit working.**  
**Continuous yellow indicator lamp: battery fault.**  
**Flashing yellow indicator lamp: faulty lamp.**

It reduces the amount of maintenance required by centralizing the management of all necessary lighting units in industrial premises. As well as offices

#### **Method**

Each unit automatically performs the periodic tests and indicates its conditions via green or yellow indicators.

All data is centralized and displayed on a computer screen, to make maintenance easier.

The condition of faulty units, and their precise location, can be printed out to control the installation.

## of article EC 20 of the Safety Regulations

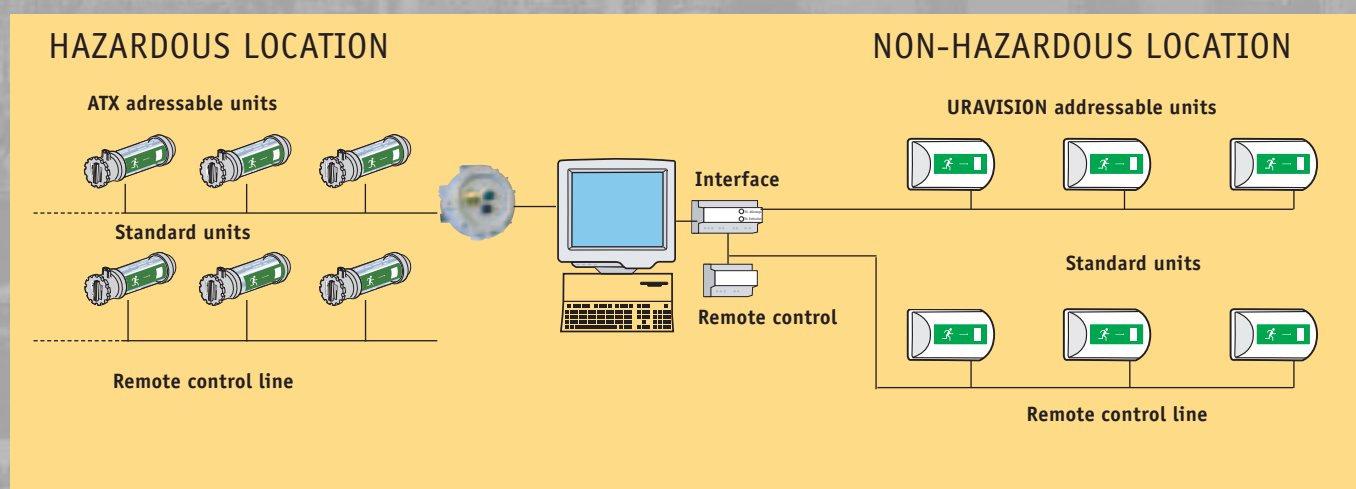
- Quarterly inspection: operation of all the units for one hour
- The civil and criminal responsibility of the owner manager may be involved, as there is an

obligation to maintain installations and keep records in the company's register. Moreover, a stock of replacement lamps for the models in use must be permanently available.

## 2- Automatic test using ATX and URAVISION units

- Electronic protection against connection errors.
  - Test performed with the mains power switched on.
  - Display of the unit's conditions via indicator lamps.
  - Automatic periodic tests.
  - Differentiation of faults via indicator lights on the unit.
- Permanent testing of the lamps and the electronics.
  - Batteries can be disconnected.
  - Test results displayed on the computer screen.
  - Centralized multi-site management.

It is important to remember that both addressable units in safe zones (industrial or commercial units) and ATX addressable flameproof units can be controlled from one single computer.



Installation example

## TECHNICAL DATA

### Compatible computers

The **ATX/URAVISION** software runs on any type of PC which has the following minimum features:

- **PC:** Pentium with Windows 3.1, minimum 100 Mhz, 16 Mb of RAM.
- **Screen:** minimum 10 inch SVGA, with a minimum definition of 800 X 600, 256 colours.
- **A4 format printer managed by Windows**

If the PC is in continuous operation, it will monitor the system on a permanent basis. It may also be viewed occasionally.

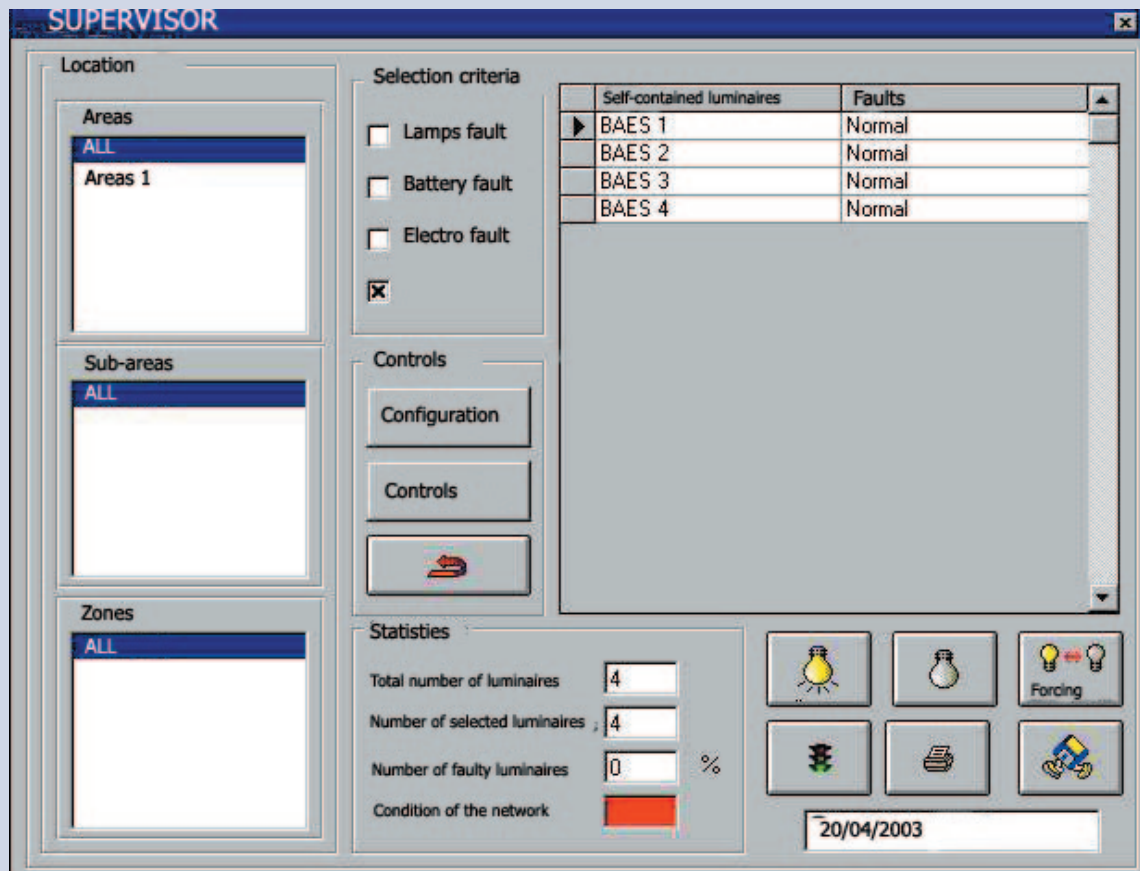
The user-friendliness of the software running under Windows means that users can quickly learn the functions of the system.

### Operating mode

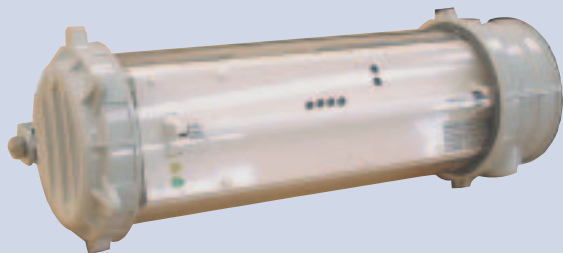
The ATX/URAVISION system accepts all types of network architecture (bus, star, online tree structure).

Easy to set up, the ATX/URAVISION network uses the telecommunications line as the data transmission medium. No additional wiring is required if existing installations are being refurbished.

The ATX/URAVISION system will take mixed installations, i.e. it is compatible with non-addressable units. In a mixed installation, only the ATX/URAVISION units appear on the computer screen. During maintenance operations non-addressable units can be gradually replaced with ATX/URAVISION units, and connected to a BTI interface when the last non-addressable unit is replaced, thus creating a complete installation with centralized control.

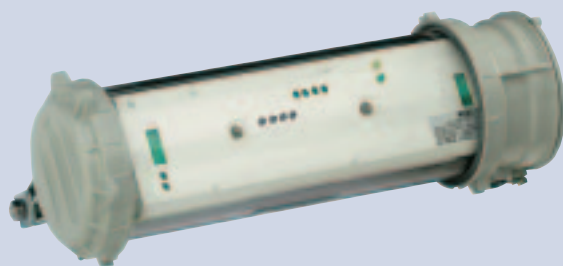


## Products installed in hazardous areas



0949 55

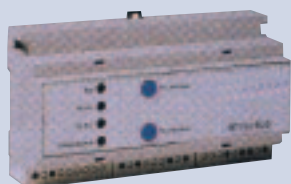
- 8 W fluorescent addressable unit
- Nominal flux 360 lm - 1 hour emergency duration includes :
  - One 8 W fluorescent tube
  - One 12 V - 3 W incandescent indicator lamp E10 lampholder, output 3 lm



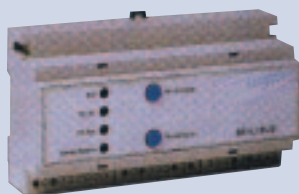
0949 67

- Incandescent addressable unit
- Nominal flux 60 lm: 1 hour emergency duration
  - Two 3.6 V - 1 A emergency lamps BA9S lampholders
  - One 12 V - 3 W indicator lamp flux 3 lm BA9S lamphoder

## Products installed in safe areas (for installation in hazardous locations please consult us)



ATX/URAVISION interface unit "BTI" (equipment sold by URA) between the network of self-contained emergency lighting units and the computer acting as the remote control (compulsory).



ATX/URAVISION booster unit "BR" (equipment sold by URA) for increasing the network capacity.



ATX/URAVISION software

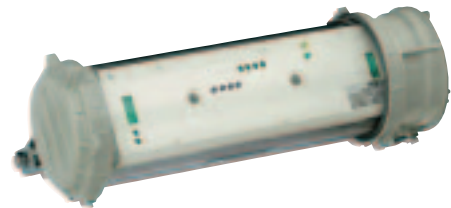
For more information on all the possible configurations with the ATX/URAVISION addressable system, please consult us

# "Addressable" self-contained emergency lighting units S.A.T.I. 230 V armoured and non-armoured cable flameproof

Can be maintained in  
hazardous location



0949 55 Fluorescent 8W



0949 67 Incandescent

## Addressable units can be maintained in the hazardous location

- Power supply : 230 V + 6% – 10% 50/60 Hz
- Emergency duration (standard): 1 hr for non-maintained emergency lighting
- Addressable SATI units :
  - providing the regulatory control of the self contained emergency lighting units and centralising information coming from those units on a computerized management system
  - operating without any special line, with the units and the control unit communicating via mains-borne signalling on the remote control line
- Capacity : control unit only, 200 self contained emergency lighting units  
Max. capacity : 1000 self contained emergency lighting units with boosters
- Zamak end caps and cover, anticorrosion treated and painted grey
- Sealed toughened glass tube
- Threaded access cover with O ring seal
- Operate in any position
- Fixed using 2 integrated lugs
- Interchangeable flameproof battery pack

### Area lighting

- 8 W fluorescent units
  - nominal output 415 lm - emergency duration 1 hr, consisting of :
    - One 8 W fluorescent tube
    - Charge indicator : 4 nos. yellow Led. (life time over 10 years)
- Two 3/4" NPT threaded cable entries
- Supplied with one 3/4" NPT blanking plugs
- Connection to plug-in terminal block via 2 x 5 x 2.5 mm<sup>2</sup> terminals

	Weight (Kg)	Volume (dm <sup>3</sup> )	Cat. No. 230 V	Pack
8 W fluorescent non-permanent nominal flux 415 lm - 1 hr standby time	8.1	37.1	<b>0949 55</b>	1

### Escape route lighting

- Incandescent units
  - nominal output 63 lm: 1 hour emergency duration
  - Two 3.6 V - 1 A emergency lamps BA9S lampholders
  - Charge indicator : 4 nos. yellow Led. (life time over 10 years)
- Two 3/4" NPT threaded cable entries
- Supplied with one 3/4" NPT blanking plug
- Connection to plug-in terminal block via 2 x 5 x 2.5 mm<sup>2</sup> terminals

	Weight	Volume	Cat. No.	Pack
Non-maintained incandescent lamp nominal output 63 lm emergency duration - 1 hr	8.1	37.1	<b>0949 67</b>	1

### Cable glands (see pages 252-263)

Part number in bold : fast moving references

## Accessories

### Fixings - set of 2 brackets

	Cat. No.	Pack
Quick one-hand fixing, zinc-plated steel	<b>0948 97</b>	1
316 stainless steel version	0948 89	1
Fixing on flat surface, zinc-plated steel	<b>0948 98</b>	1
316 stainless steel version	0948 90	1
With zinc-plated steel brackets for fixing on		
- 1" 1/4 (Ø 42 mm) or 1" 1/2 (Ø 49 mm) tube	0948 99	1
- 316 stainless steel version	0948 92	1
- 2" (Ø 60 mm) tube	0948 91	1
- 316 stainless steel version	0948 93	1
8 W fluorescent bulb	0949 90	5
3.6 V - 1 A emergency lamp BA9S cap	0949 95	25

### Reflector

White painted galvanized steel,  
guard fitted separately



0948 66 1

### Protective guard

Zinc-plated steel (20 microns),  
reflector fitted separately



0948 76 1

Fall prevention fixing kit (1.20 m stainless steel chain) 0938 19 1

### For special options, please consult us:

- Integrated mains supply switch
- Signalling label

### Spare parts (see page 290)

### Signalling label (see page 89)

### Cable glands for armoured cable (see page 252/262 and 263)

NEW



### IMPORTANT

Before carrying out any maintenance work, switch off the mains power supply and the remote control circuit



Zone 1 & 2 - 21 & 22		ATEX	IEC	EC	II2 G/D
EEx d IIC	T6	T = 85°C	IP 66/67	IK 09	



## TECHNICAL DATA

### Zones :

1 and 2 and 21-22

### Classification :

#### • According to CENELEC :

- Conforming to ATEX - 94/9 EC Directive and standards EN 50014-18
- EC 0081  II 2 G for gas EEx d II C T6
- EC 0081  II 2 D T = + 85°C : for dust

#### • According to IEC :

- Conforming to IEC standards 60079-0/1 Ex d II C T6
- DIPA 21 - TA = + 85°C for dust

### Approvals :

- CENELEC LCIE 97 ATEX 6012
- IEC LCIE Ex.03.012
- **CE** declaration of conformity No. 50203
- Conforming to standards EN 60.598-1 and IEC 60.598-1 for luminaires
- Conforming to standards IEC 61241-1-1 and EN 50281-1-1 "combustible dust"
- Conforming to standard NF C 71-801
- Granted the NF AEAS quality mark
- Conforming to standards 55015 and EN 61547 concerning electromagnetic compatibility (EMC)

### Protection index :

- IP 66 and IP 67 according to IEC 60529 and EN 60529
- Mechanical resistance IK 09 according to EN 50102

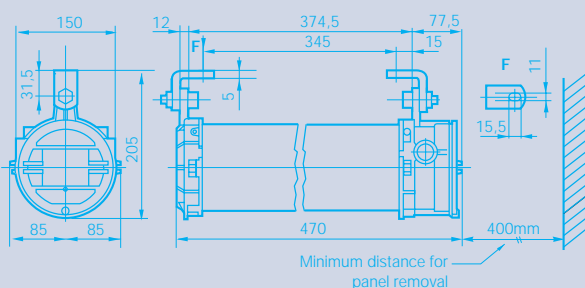
Anticorrosion treatment and climate protection : see page G50

### Operating temperature :

- 20°C to + 55°C , optimum operating range for batteries - 5°C to + 30°C

### Dimensions (mm) :

Cat. No. 0949 55/67



### Product features/customer benefits

- Flameproof battery with switch : **easy maintenance in zone**
- Threaded access cover with O ring seal : **improved ingress protection**
- Addressable products : **easy network maintenance**
- Centralized, real-time data : **safe operation**

Data sheet available on request

# Compression and barrier gland EEx "e" and EEx "d"

With the new range of EEx "e" and EEx "d" cable glands for armoured cables:

- No problems water ingress.
- No mechanical stress on the external cable sheath.
- No risk of losing weatherproof seal.
- No risk of assembly error.
- Fast and easy inspection.



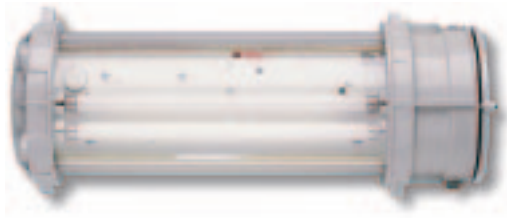
## ATX "Safety Plus"

Introducing ATX "Safety Plus" with the new range of cable glands :

- Flexibility on site.
- Adapted to any type of armoured cable (steel tape, lead sheath, braid, wire).
- No gripping problems even with gloves (see page 252 and 254).

**A.T.X.**®

# Self contained fluorescent units for "3 hours" emergency lighting armoured and non-armoured cable flameproof



0949 62 2x8W fluorescent

## 3 hour maintained, non maintained and sustained units

- Not approved to French standard NF 71801
- **This product must not be opened in hazardous areas**  
The electrical connection must therefore be made via a 16 A power socket for ease of changing lamps and to facilitate cyclical battery testing operations.
- Sealed toughened glass tube
- Zamak end cap and cover, anticorrosion treated and painted grey
- Threaded access cover with O ring seal
- Operates in any position
- Connection to terminal block capacity 2.5 mm<sup>2</sup>
- External earth via bracket: 4 mm<sup>2</sup>
- Fixed using 2 brackets (supplied)
- Two M20 threaded cable entries
- Supplied with one M20 blanking plug (cable gland not supplied)

### Catalogue numbers

	Nbre of batteries	Cat. No. 110 V	Cat. No. 127 V	Cat. No. 230/240V	Pack
1 x 8 W fluorescent - non maintained 3 hours emergency duration : 230 lumens - 50/60 Hz	4	0919 56	0919 57	<b>0949 56</b>	1
1 x 8 W fluorescent - maintained 3 hours emergency duration : 180 lumens 50 Hz(230/240V) ; 50/60Hz(110-127V)	3	0919 61	0919 60	<b>0949 61</b>	1
2 x 8 W fluo sustained 3 hours emergency duration : 230 lumens 50Hz	4			0949 62	1

Weight : 7.8 kg Volume : 36 dm<sup>3</sup>

### Accessories

#### External reflector

White painted galvanized steel, guard fitted separately Cat. No. 0948 68 Pack 1

#### Protective guard

Zinc-plated steel (20 microns), reflector fitted separately 0948 72 1

#### Fixings - set of 2 brackets

Quick fixing with one hand, zinc-plated steel  0948 97 1

Quick fixing with one hand, 316 stainless steel 0948 89 1

Fixing unit to flat surface, zinc-plated steel  **0948 98** 1

316 stainless steel version 0948 90 1

With zinc-plated steel brackets for fixing

- on 1" 1/4 (Ø 42 mm) or  0948 99 1

1" 1/2 (Ø 49 mm) tube 0948 91 1

- on 2" (Ø 60 mm) tube

**Part number in bold : fast moving references**

Zone 1 & 2 - 21 & 22		ATEX	IEC	EC	II2 G/D
EEx d IIC	T6	T = 85°C	IP 66/67		IK 09

### TECHNICAL DATA

Zones : 1 and 2 and 21 - 22

Classification :

- According to CENELEC :
  - Conforming to ATEX - 94/9 EC Directive and standards EN 50014-18
  - EC 0081  $\text{Ex}$  II 2 G for gas EEx II c - T6
  - EC 0081  $\text{Ex}$  II 2 D T = + 85°C for dust

- According to IEC :
  - Conforming to standards IEC 600 -0/1/7 Ex II C - T6
  - DIPA 21 TA = + 85°C for dust

Approvals :

- Approved type FLd
- CENELEC LCIE 97 ATEX 6012
- IEC LCIE Ex 03.012
- **CE** declaration of conformity No. 50203
- Conforming to standards IEC 60598-1 for luminaires
- Conforming to standard EN 50281-1-1 "combustible dust"
- Conforming to standard 55015 and EN 61547 concerning electromagnetic compatibility (EMC)
  - 55015 - 61547

Protection index :

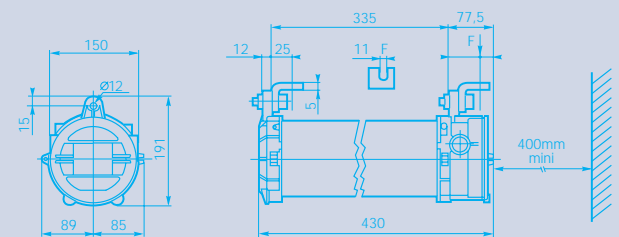
- IP 66 and IP 67 according to EN 60529 and IEC 60529
- Mechanical resistance IK 09 according to EN 50102

Anticorrosion treatment and climate protection : see page G50

Operating temperature : - 20°C to + 40 °C

Dimensions (mm) :

Réf. 949 56/61/62



	0949 56	0949 61	0949 62
Mains power switched on		 or 	
Mains power switched off			
Connection	2P + T	3P + T	3P + T

#### Non-maintained emergency lighting :

A luminaire where the lamp operates from an emergency power source should the mains supply fail.

#### Maintained emergency lighting :

A luminaire where the lamp is supplied by mains electricity under normal conditions and from an emergency power source should the mains supply fail

#### Sustained emergency lighting :

A luminaire contained two lamps one of which is energised from the emergency supply and the remainder from the normal supply.

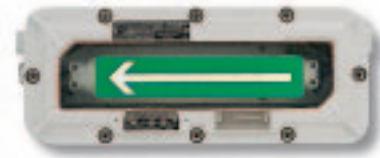
Data sheet available on request



0949 06



0949 05 (on tubular luminaire 0947 16)



0949 04 (on rectangular luminaire 0947 48)

### Self-adhesive labels for emergency lighting units

- Green background
- Plastic coated

#### French

	Length. (mm)	Width. (mm)	Cat. No.	Pack.
	237	53	0949 04	10
	237	53	0949 05	10
	237	109	<b>0949 06</b>	10
	175 + 57	57	<b>0949 07</b>	10
	237	109	0949 08	5
	237	109	0949 09	5
	237	109	0949 10	5

#### Conforming to Directive CEE 77-576

	Length. (mm)	Width. (mm)	Cat. No.	Pack.
	237	109	<b>0949 11</b>	5
	237	109	<b>0949 12</b>	5

#### English

	Length. (mm)	Width. (mm)	Cat. No.	Pack.
	230	45	<b>0949 15</b>	5
	230	90	<b>0949 16</b>	5
	230	45	0949 17	5

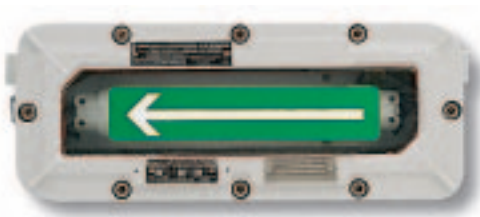
#### Spanish

	Length. (mm)	Width. (mm)	Cat. No.	Pack.
	237	109	<b>0949 19</b>	5
	175 + 57	57	<b>0949 18</b>	5

#### Portuguese

	Length. (mm)	Width. (mm)	Cat. No.	Pack.
	237	109	<b>0949 13</b>	5
	175 + 57	57	<b>0949 14</b>	5

## IIB and IIC units for emergency lighting armoured and non-armoured cable flameproof



0947 48 + label



0947 16 + label

### Incandescent rectangular IIB

- Two 40 W max. bulbs
- Grey painted aluminium alloy cover
- Sealed toughened lamp glass
- E27 lampholders
- Flat flamepath
- Operates in any position
- Fixed using 2 lugs which are supplied fitted
- Connection via 2 x 1 x 4 mm<sup>2</sup> terminals
- Internal earth 1 x 4 mm<sup>2</sup>
- External earth 1 x 4 mm<sup>2</sup>
- Two M20 threaded cable entries
- Supplied with one M20 blanking plug

#### Catalogue numbers

Permissible lamps (not supplied)	Weight	Volume	Cat. No.	Pack
Incandescent 2 x 40 W	5.7	9	<b>0947 48</b>	1

### Incandescent cylindrical IIC

- Two 40 W max. tubes
- Zamak end caps and cover, anticorrosion treated and painted grey
- Sealed toughened glass tube
- E27 lampholders
- Threaded access cover with O ring seal
- Connection via 2 x 3 x 2.5 mm<sup>2</sup> terminals
- External earth bracket 1 x 4 mm<sup>2</sup>
- Operates in any position
- Fixed using 2 lugs supplied
- Two 3/4" NPT tapped cable entries
- Supplied with one 3/4" NPT blanking plug

#### Catalogue numbers

Permissible lamps (not supplied)	Weight	Volume	Cat. No.	Pack
Incandescent 2 x 40 W	7.1	36	<b>0947 16</b>	1

### Accessories for 0947 16




#### Reflector

	Cat. No.	Pack
White painted galvanized steel, guard fitted separately	 0948 68	1

#### Protective guards

Zinc-plated steel (20 microns), reflector fitted separately	 0948 72	1
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#### Fixings - set of 2 brackets

Quick one-hand fixing, zinc-plated steel	 <b>0948 97</b>	1
316 stainless steel version	0948 89	1
Fixing on flat surface, zinc-plated steel	 <b>0948 98</b>	1
316 stainless steel version	0948 90	1
With zinc-plated steel brackets for fixing		
- 1" 1/2 (Ø 49 mm) or 1" 1/4 (Ø 42 mm) tube	0948 99	1
- 316 stainless steel version	0948 92	1
- 2" (Ø 60 mm) tube	 0948 91	1
- 316 stainless steel version	0948 93	1

Fall prevention fixing kit (1.20 m stainless steel chain)	0938 19	1
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- 8 W and 18 W (see page 111)

Spare parts (see page 290)

Cable glands (see pages 252-263)

Zone 1 & 2 - 21 & 22		ATEX	IEC	EC	II2 G/D
EEx d IIB	T4	T = 135°C	IP 66	IK09	

### TECHNICAL DATA

#### Zones :

- 1 and 2 and 21-22

#### Classification :

- According to CENELEC:
  - Conforming to ATEX - 94/9 EC Directive and standards EN 50014-18
  - EC 0081 II 2 G for gas EEx d IIB T4
  - EC 0081 II 2 D T = +135°C : for dust
- According to IEC:
  - Conforming to standards IEC 60079-0/1/7 Ex d IIB T4
  - DIPA 21 TA = +135°C for dust

#### Approvals :

- Approved type BRI40
- CENELEC LCIE 03 ATEX 6098X
- IEC LCIE Ex 03.009X
- declaration of conformity No. 50252
- Conforming to standards EN 60598-1 and IEC 60598-1 for luminares
- Conforming to standards EN 50281-1-1 and IEC 61241-1-1  
"combustible dust"

#### Protection index :

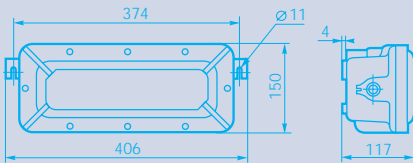
- IP66 according to EN 60529 and IEC 60529
- Mechanical resistance IK09 according to EN 50102

#### Operating temperature :

- 20°C to + 40°C

Anticorrosion treatment and climate protection : see page G50

#### Dimensions (mm) :

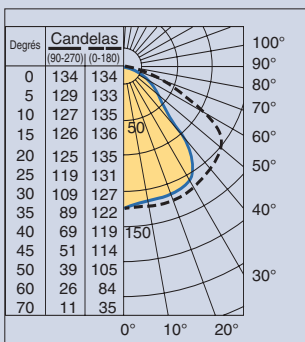


#### Photometric data (photometry p. G62)

Polar curves for a 1000 lm out put according to NF C 71-120

Luminaire symbol according to NF C 71-121

--- longitudinal  
— transverse



Zone 1 & 2 - 21 & 22		ATEX	IEC	EC	II2 G/D
EEx d IIC	T5	T = 100°C	IP 66/67	IK09	

### TECHNICAL DATA

#### Zones :

- 1 and 2 and 21-22

#### Classification :

- According to CENELEC:
  - Conforming to ATEX - 94/9 EC Directive and standards EN 50014-18
  - EC 0081 II 2 G for gas EEx d IIC T5
  - EC 0081 II 2 D T = +100°C : for dust
- According to IEC:
  - Conforming to standards IEC 60079-0/1/7 Ex d IIC T5
  - DIPA 21 TA = +100°C for dust

#### Approvals :

- Approved type FLd
- CENELEC LCIE 97 6012
- IEC LCIE Ex 03.012
- declaration of conformity No. 50203
- Conforming to standards EN 60598-1 and IEC 60598-1 for luminares
- Conforming to standards EN 50281-1-1 and IEC 61241-1-1  
"combustible dust"

#### Protection index :

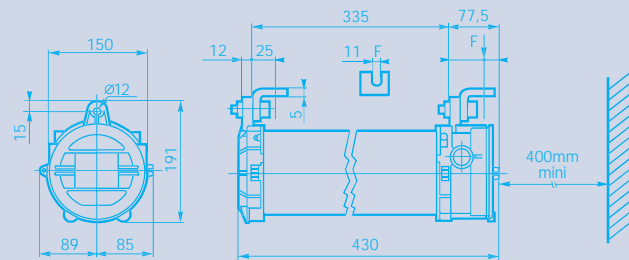
- IP66/67 according to EN 60529 and IEC 60529
- Mechanical resistance IK09 according to EN 50102

#### Operating temperature :

- 40°C to + 55°C

Anticorrosion treatment and climate protection : see page G50

#### Dimensions (mm) :



#### Photometric data (photometry p. G62)

Polar curves for a 1000 lm out put according to NF C 71-120

Luminaire symbol according to NF C 71-121

--- longitudinal  
— transverse

