

## Dardo Plus addressable system

### What is it?

Dardo Plus is an addressable system that centralises and automatically performs the required checks on your installation.

- Each self-contained emergency light unit is identified by a single address.
- The Dardo Plus system identifies each unit and automatically monitors it. It directly indicates the lighting components to be replaced (e.g.: battery, light source or complete unit).



## Undeniable advantages!



Easier compulsory monthly and annual tests.

Less maintenance time.

Reduced maintenance costs.

A higher level of safety for your installation.

**> 70%**  
less maintenance time and costs\*.

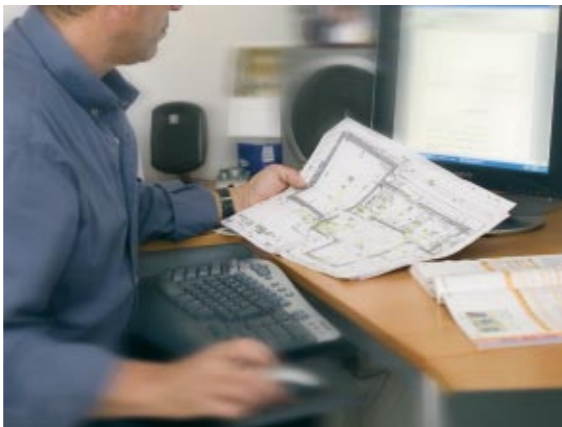
\*depending on the technology of the units and the size of the installation

## Remote monitoring

Dardo Plus remotely performs three types of tests:

- Programmed automatic routine tests (predefined schedule).
- Tests requested from a PC or a building management system.
- Immediate manual tests, run directly from the controller.

Very simple to use!



## Adaptable

- Perfectly suited to small installations (e.g.: an hotel: 1 control unit and 100 lighting units), as well as large sites (e.g.: multiple buildings: 32 control units and 3200 lighting units, control station).
- Upgradeable - simply add control and lighting units to the installation as the building develops.
- Communicates over the LAN or LON networks with a PC or a building management system via the DCM or DLM interfaces.
- Uses the capacities of the DCM interface Web server and a simple browser such as Internet Explorer.



## Test reports

- They are available on the control unit or PCs and can be printed on the "Dardo Plus Printer" or the printer attached to the PC.
- Practical, the test report is entered in the log book.
- The maintenance officer knows exactly which components to replace (battery, light source, etc.) and on which units (01, 02, 03, etc.).  
*All that remains for him to do is act!*



## Dardo Plus Control Unit

### Technical advantages



- Each Dardo Plus control unit controls up to **100 lighting units**.
- For larger, more complex installations, **up to 32 Dardo Plus control units can work together** (3200 luminaires).
- Dardo Plus works in **17 languages**.
- **Conforms to the EN 50172 standard** on testing emergency lighting in buildings.
- **Easy to wire.**
- **Easy to install** in a DIN enclosure or cubicle.
- **Direct printing** of test reports.

## Management of emergency lighting

### Supervision and integration

#### DLM interface



- **Direct integration** of the emergency lighting installation into the building management system.
- **Up to twenty Dardo Plus control units** can be connected to one DLM module.
- **TP/FT-10 78-kbps LonWorks protocol.**
- **Local or remote centralised management** with one module.
- **Integrated RS232/RS485 and RS485/Ethernet converters.**
- **Detailed system configuration and monitoring** with the Dardo Plus **PC Lite** software.
- **Maintenance alert: by emails and/or SMS messages.**

#### DCM interface



Increase the safety of the occupants effectively

The Dardo Plus system gives you a better indication of the state of your emergency lighting installation. It therefore helps you to maintain a high level of lighting availability... **vital in an emergency!**

Reduce maintenance costs

The Dardo Plus system automatically tests the units.

- No test costs.
- Very low maintenance costs.

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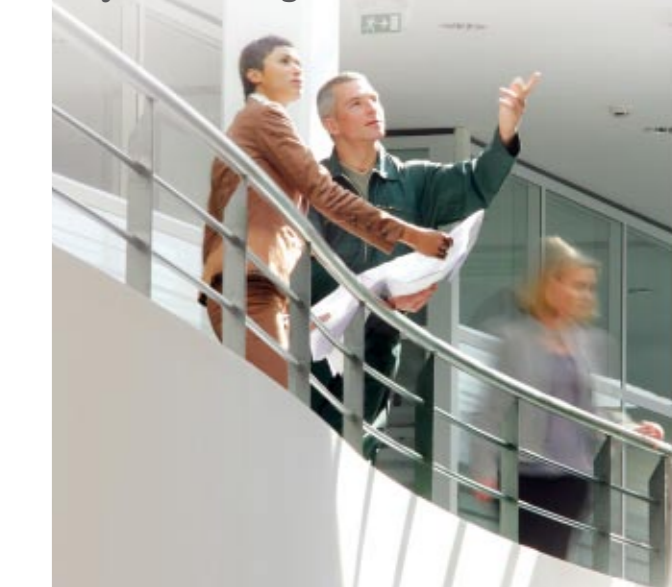
As standards, specifications and designs change from time to time, please ask for confirmation of the information given in this publication

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## Dardo Plus

Increase the safety level of your building!

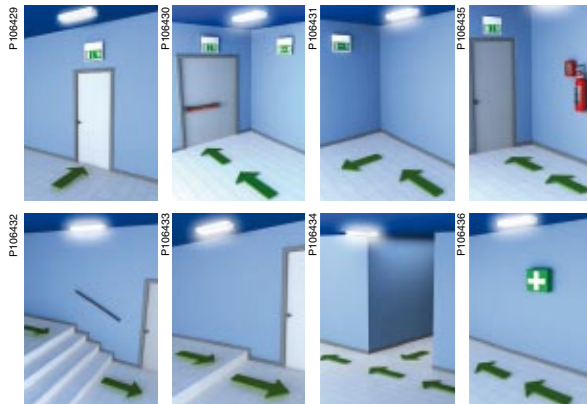


## Compulsory emergency lighting checks

EN 50172 specifies that the emergency lighting installations in buildings should be subjected to routine tests:

- The light sources and unit operation should be checked once a month.
- The autonomy of the batteries should be checked once a year.

### Where should the units be placed?



## Exiway

Anti-panic units

IP42/65  
IK07

### Exiway One

- Maintained (M), non-maintained (NM) & combined modes.
- High flux up to 600 lm.
- Fluorescent tubes 6 W, 8 W, 11 W, 18 W & 24 W.
- 1, 2 or 3 hours autonomy.



Cat. no.	Protection		Autonomy	Average flux (mode NM)	
	IP65	IK07		(mode NM)	(mode NM)
OVA34304			1 h	90 lm	-
OVA34305			1 h	90 lm	200 lm
OVA34308			1 h	120 lm	-
OVA34312			1 h	120 lm	-
OVA34314			3 h	140 lm	-
OVA34315			1 h	160 lm	-
OVA34320			1 h	220 lm	-
OVA34322			1 h	300 lm	-
OVA34323			1 h	300 lm	470 lm
OVA34324			3 h	220 lm	-
OVA34325			3 h	220 lm	-
OVA34326			3 h	200 lm	550 lm
OVA34328			1 h	260 lm	-
OVA34329			1 h	260 lm	550 lm
OVA34330			1 h	600 lm	-
OVA34331			1 h	600 lm	600 lm

All catalogue numbers Exiway One, see catalogue ISCO2015

IP42  
IK07

### Exiway Plus

- Maintained (M) & non-maintained (NM) modes.
- High flux up to 550 lm.
- Fluorescent tubes 6 W, 8 W, 11 W, 18 W, 24 W & Long-lasting LED light source (>50,000 h)
- 1, 2 or 3 hours autonomy.



Cat. no.	Protection		Autonomy	Average flux (mode NM)	
	IP42	IK07		(mode NM)	(mode NM)
OVA34403			1 h	90 lm	-
OVA34405			3 h	90 lm	-
OVA34407			1 h	120 lm	-
OVA34408			1 h	120 lm	240 lm
OVA34409			3 h	120 lm	-
OVA34411			1 h	120 lm	-
OVA34413			3 h	120 lm	-
OVA34414			1 h	150 lm	-
OVA34421			1 h	300 lm	-
OVA34422			1 h	300 lm	380 lm
OVA34423			3 h	220 lm	-
OVA34424			3 h	200 lm	-
OVA34427			1 h	260 lm	-
OVA34428			1 h	260 lm	550 lm
OVA34429			1 h	525 lm	-
OVA34430			1 h	525 lm	490 lm

All catalogue numbers Exiway Plus, see catalogue ISCO2015

IP42  
IK07

### Exiway Class

- Maintained (M) & non-maintained (NM) modes.
- High flux up to 400 lm.
- Long-lasting LED light source (>50,000 h).
- 1 or 2 hours autonomy.



Cat. no.	Protection		Autonomy	Average flux (mode NM)	
	IP42	IK07		(mode NM)	(mode NM)
OVA34652			1 h	100 lm	-
OVA34653			1 h	100 lm	100 lm
OVA34660			1 h	260 lm	-
OVA34661			1 h	260 lm	260 lm
OVA34662			1 h	425 lm	-
OVA34663*			2 h	100 lm	100 lm
OVA34664*			2 h	260 lm	260 lm
OVA34665			2 h	350 lm	-

The maintained products can be used in non-maintained mode. The selection is made on the connector.

All catalogue numbers Exiway Class, see catalogue ISCO2015

## Astro Guida

Signage units

IP42  
IK06

- Autonomy: 1 or 3 h.
- Visibility: 24 m.
- Maintained mode.
- IK06
- Cold cathode light source (40,000 h).



Cat. no.	Autonomy	Visibility
OVA34757E	1 h	24 m
OVA34758E	3 h	24 m

## Quick Signal

Signage units

IP42  
IK07

- Autonomy: 1 or 3 h.
- Visibility: 28 m.
- Maintained mode.
- Long-lasting LED light source (>50,000 h).



Cat. no.	Autonomy	Visibility
OVA34511E	1 h	28 m
OVA34512E	3 h	28 m

⚠ These products must only be installed by trained personnel.

## Evx Power

Conversion kit

- Convert standard fluorescent luminaires to emergency luminaires
- Suitable for fluorescent tubes up to 70 W.
- Fully compatible with both electromagnetic and electronic ballasts.



Cat. no.	Mains load	Lamp	Battery
OVA34215E	5.5 VA	36 W	In line
OVA34216E	6 VA	58 W	In line
OVA34217E	6.5 VA	70 W	In line

## Evx Ferro

Conversion kit

- Convert standard fluorescent luminaires to emergency luminaires
- Suitable for fluorescent tubes up to 58 W.
- Compatible only with electromagnetic ballasts.



Cat. no.	Mains load	Lamp	Battery
OVA34213E	6 VA	36 W	In line
OVA34214E	10 VA	58 W	In line

⚠ These products must only be installed by trained personnel.

## Control Unit

Dardo Plus



- Power Supply: 220/240 V - 50 Hz.
- Absorption: 2 VA.
- Output lines: 1.
- Max. number of units which can be connected: 100.
- Max. distance between Dardo Plus lights and Dardo Plus:
  - 600 m with a 2 x 2.5 mm<sup>2</sup> cable,
  - 400 m with a 2 x 1.5 mm<sup>2</sup> cable,
  - 200 m with a 2 x 1 mm<sup>2</sup> cable.
- Max. cumulative extension of Dardo Plus lights control line: 2000 m.
- Weight: 0.735 kg.
- Dardo Plus system: networks, intelligent systems, emails, SMS.

## Dardo Plus System

### Dardo Plus control unit

- Runs unit tests without interrupting the 230 V supply.
- Indicates the faulty components on each unit identified.



Cat. no.	Type
OVA34210E	SNB
OVA34211E	WEST
OVA34212E	CEE

### DLM interface

For connecting Dardo Plus over a LON network to a building's centralised management system.

Cat. no: OVA52214



### DCM interface

For supervising Dardo Plus from a local PC or over a LAN network.

Cat. no: OVA52215



### Dardo Plus Printer

Test report printer.  
Cat. no: OVA52210E



### Dardo Plus PC Lite

Remote supervision and monitoring software for one or more installations.  
Cat. no: OVA52004E



### Syscon address test device

Tests the lighting unit addresses. It detects duplicates, missing addresses, etc.  
Cat. no: OVA52213E

