Nice

TTDMP

Feed-through dimmer

EN - User, installation and safety instructions

CONTENTS

GENERAL WARNINGS: SAFETY - INSTALLATION - USE (original instructions in Italian)

WARNING **Important safety instructions. Follow all instructions as improper installation may cause serious damage**
WARNING **Important safety instructions. It is important for you to comply with these instructions for your own and other people's safety. Keep these instructions**

- Before starting installation, check the "Product specifications". If it is not suitable, DO NOT continue with the installation.
- Before proceeding with the installation of the product, check that all materials are in good working order and suited to the intended applications
- The product is not intended for use by persons (including children) with reduced physical, sensory or mental capacities, nor by anyone with insufficient experience or familiarity
- Children must not play with the appliance
- Do not allow children to play with the control devices of the product. Keep the remote controls out of reach of children.

WARNING In order to avoid any danger from inadvertent resetting of the thermal cut-off device, this appliance must not be powered through an external switching device, such as a timer, or connected to a supply that is regularly powered or switched off by the circuit

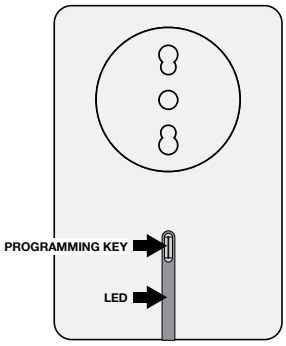
- Provide a disconnection device (not supplied) in the plant's mains power supply, with a contact opening distance that permits complete disconnection under the conditions dictated by overvoltage category III
- Handle the product with care, taking care to avoid crushing, denting or dropping it, or allowing contact with liquids of any kind. Keep the product away from sources of heat and naked flames. Failure to observe the above can damage the product, and increase the risk of danger or malfunction. If this should happen, stop installation immediately and contact Customer Service
- The manufacturer assumes no liability for damage to property, items or persons resulting from non-compliance with the assembly instructions. In such cases the warranty for material defects is excluded
- Cleaning and maintenance to be carried out by the user must not be carried out by unsupervised children
- Before working on the system (maintenance, cleaning), always disconnect the product from the mains power supply
- The packing materials of the product must be disposed of in compliance with local regulations
- The heat dissipation of the dimmer is proportional to the power load it is controlling
- Never install a switch/breaker between the dimmer and its load: the lamp must be connected directly to the dimmer
- Do not place the product inside closed boxes, as minimum air ventilation must be ensured

1 PRODUCT DESCRIPTION AND INTENDED USE

TTDMP is a brightness adjuster used for lighting loads: switching ON/OFF and light adjustment (the latter is only for lighting appliances that have been explicitly declared adjustable by the manufacturer). It is equipped with a radio receiver operating at the frequency of 433.92 MHz with "rolling code" encoding which is compatible with Nice products listed in "Table 1" and is programmed in "Mode 1" or "Mode 2" (see Chapter 4).

WARNING! – All uses other than the intended use described and use in environmental conditions other than those described in this manual should be considered improper and forbidden!

The front part comprises:
– Socket
– Programming key
– LED



The back part comprises:
– Slide switch with 2 positions with the following features:

ON/OFF

ON - Start up
OFF - Power off
Dimmer - adjustment of the brightness of the connected light source

ON/OFF

ON - Start up
OFF - Power off

– Plug
– Fuse

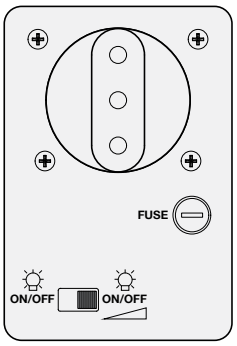


Table 1

Series	Model	Keys	Suggested programming	Function
Nice Era	**Era P** **Era W** **Era MiniWay**	▲ ■ ▼	**Mode 1** (chapter 4)	**Slider** (chapter 4) *only for models provided with*
	Era One	1 2 3 4	**Mode 2** (chapter 4)	
	Era Inti	1 2		
NiceWay	**NiceWay**	▲ ■ ▼	**Mode 1** (chapter 4)	
Nice Ergo	**Ergo**			

Nice Flor	**Flor-M**		**Mode 2** (chapter 4)	
Nice Home	**Touch HSTS2**	**Display**	**Mode 1** (chapter 4)	
	HSTX8		**Mode 2** (chapter 4)	
Nice Agio	**AG4W, AG4B, AG4R, AG4BW, AG4BB, AG4BR**		**Mode 1** (chapter 4)	**Slider** (chapter 4)

⚠ Important!
- It is necessary to have a transmitter with at least 3 keys to programme it in mode 1.
- It is necessary to have a transmitter already associated with the TTDMP in order to programme the new one in mode 2.

2 APPLICATION LIMITS

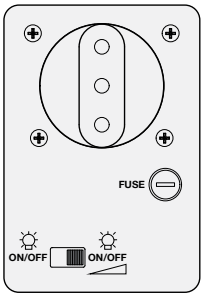
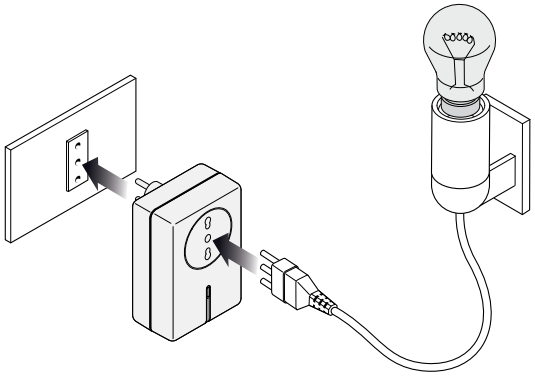
TTDMP can be connected to various types of lighting fixtures: with incandescent, halogen, fluorescent and LED technologies (for fluorescent lamps, only switching on and off are guaranteed).
If electronic or toroidal transformers are used, they must be declared adjustable by the manufacturer; in particular, toroidal transformers may generate an annoying hum if their quality is not good.
In general, TTDPM should not be connected simultaneously to multiple light sources and, anyhow, all devices that are simultaneously connected must be of the same type.

⚠ Warning!
- TTDMP will disconnect the load if subjected to excessive load or when exposed to extreme heat.
- Before replacing the load, make sure it is turned off.
- The dimmer must be connected directly to the mains and not to other electronic devices.

3 INSTALLATION

⚠ Important! - Before installing the product, refer to chapters 2 and 6 (technical specifications).

⚠ WARNING! - If the lighting device is equipped with its own brightness adjuster, this must be set at the maximum brightness otherwise anomalies in the regulation of light intensity may occur.

01.	Before using TTDMP, you must decide the position of the slide switch: "**ON/OFF/Dimmer**" or "**ON/OFF**". For non-adjustable devices: "**ON/OFF**".	
02.	Insert TTDMP into a power socket and attach the plug of the lighting device to it	

4 PROGRAMMING

The programming of TTDMP must be performed with a transmitter (see Table 1 - Chapter 1).
A total of 30 transmitters can be saved (regardless of whether they are associated in "**Mode 1**" or "**Mode 2**").

⚠ WARNING! - The 31st transmitter saved will automatically delete the first transmitter from the memory.

⚠ WARNING! - If the slide switch of TTDMP is set on the "ON/OFF" position, the "Dimmer up" function will turn on the device with 100% light brightness and the "Dimmer down" function will switch off the lighting device completely.

Table 2			
Mode 1: automatically assign the three commands shown on the table to the first three buttons on the transmitter			
Keys	**Function**	**Keys**	**Function**
▲ / ①	**Dimmer up**	▼ / ③	**Dimmer down**
■ / ②	**Toggle**	④ ...	-

Mode 2: freely associate one command from among those available		
Function	**Procedure**	**Description**
Dimmer up	**1 short key press (< 1 second)**	• If the lighting device **is ON**: its brightness increases by a small percentage (if not already set to maximum). • If the lighting device **is OFF**: it will come back on at the same brightness level as before being switched off. • If the TTDMP is disconnected from the mains, the brightness level temporarily memorised during the previous start-up is lost and when the device is connected again to the mains supply, the lighting device will come on at the pre-set brightness level of 100%.
	1 long key press (> 1 second)	• If the lighting device **is ON**: the brightness will increase until the key is released or until the maximum set value is reached (if not already set to maximum). • If the lighting device **is OFF**: it will come back on starting from the brightness level it had before being switched off. • If TTDMP is disconnected from the mains, the brightness level temporarily memorised during the previous start-up is lost and when the device is connected again to the mains supply, the lighting device will come on at the pre-set brightness level of 100%.
Toggle	**every time you press the button**	• TTDMP turns the connected lighting device on or off. If the device is turned on, the brightness level is the same as before the being switched off. • If TTDMP is disconnected from the mains, the brightness level temporarily memorised during the previous start-up is lost and when the device is connected again to the mains supply, the lighting device will come on at the pre-set brightness level of 100%.
Dimmer down	**1 short key press (< 1 second)**	• If the lighting device **is ON**: its brightness decreases by a small percentage (if not already set to minimum).
	1 long key press (> 1 second)	• If the lighting device **is ON**: its brightness decreases until the minimum set value is reached (if not already set to minimum).
Dimmer up Toggle Dimmer down ...	**every time you press the button**	• The various functions are performed alternately.

4.1 - "Slider" Function (transmitter)

The "Slider" function, allows the start-up and the dynamic brightness adjustment (only if the TTDMP slide switch is set on "ON/OFF/Dimmer"): see Table 3.

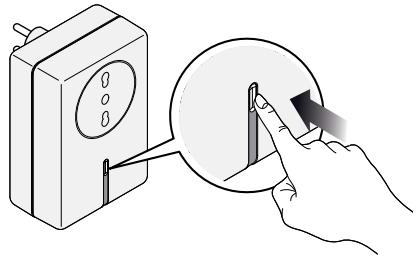
Table 3	
Procedure	**Description**
Short touch on the slider	Absolute positioning command
Sliding your finger on the slider	Progression of commands to adjust the brightness dynamically: sending commands regardless of where you place your finger

4.2 - LED

The LED on TTDMP emits various signals for the programming procedures and for generic signals: see Table 4.

Table 4		
Colour	**Flashes**	**Description**
Green	1	When pressing the "Toggle" key of an already memorised transmitter for more than 8 seconds, it indicates the beginning of an association phase in "Mode 2"
	2	They indicate the correct execution of a command
	3	At the start-up of TTDMP, it indicates that there is no memorised transmitter
Red	1	When associating a further transmitter in "Mode 1", it indicates the detection of a transmitter in association phase
	2	They indicate that a mistake has been made
	3	During a memorising or erasing process of a transmitter, it indicates that the memory is locked
	1 repeated	Overcurrent alarm
	2 repeated	Overvoltage alarm
	3 repeated	Overload alarm
	4 repeated	Overtemperature alarm
	5 repeated	Internal error alarm

For the programming of TTDMP use the key as shown in the image.



In this manual the programming procedures are explained with the use of icons and their meanings are shown in the 'LEGEND' below:

LEGEND	
Symbol	**Description**
	GREEN OR RED LED FLASHING ON THE TTDMP DIMMER
	PRESS AND RELEASE KEY
	PRESS AND HOLD THE KEY
	RELEASE THE KEY
	PRESS AND HOLD THE KEYS
	RELEASE THE KEYS AT THE SAME TIME
	TRANSMITTER BUTTONS
	PRESS AND RELEASE THE DESIRED KEY ON THE TRANSMITTER
	HOLD DOWN THE DESIRED KEY OF THE TRANSMITTER
	RELEASE THE DESIRED KEY OF THE TRANSMITTER
	VIEW/SELECT
	PLEASE WAIT
	HOLD DOWN THE PROGRAMMING KEY OF TTDMP
	RELEASE THE PROGRAMMING KEY OF TTDMP

4.3 - Transmitter recognition procedure

4.3.1 - Quick association of a transmitter

This procedure allows a transmitter to be associated with the TTDMP in "**Mode I**" (only if the memory is not locked, see chapter 4.6).

01.				**GREEN led**	
02.	**within 5 seconds**			**2 GREEN led**	

⚠ Warning! - If there are 2 RED led flashes, the memorisation has not been performed correctly. In this case, repeat the procedure from the beginning.

4.3.2 - "Further Transmitters" Association: Mode 1

This procedure allows further transmitters to be associated with the TTDMP through a transmitter that is already memorised in "**Mode 1**" (only if the memory is not locked, see chapter 4.6).

01.	**NEW transmitter**			**1 RED led**	
02.	**OLD transmitter already memorised**			**x 3**	
03.	**NEW transmitter**			**2 GREEN led**	

⚠ Warning! - If there are 2 RED led flashes, the memorisation has not been performed correctly. In this case, repeat the procedure from the beginning.

4.3.3 - "Further Transmitters" Association: Mode 2

This procedure allows a transmitter to be associated with the TTDMP in "**Mode 2**" when another transmitter is already memorised (only if the memory is not locked, see chapter 4.6).

01.	**OLD transmitter already memorised**			**1 GREEN led**	
02.	**OLD transmitter already memorised**			**2 GREEN led**	
03.	**OLD transmitter already memorised**			**select the desired function:**	
	Dimmer Up > Toggle > Dimmer Down			**x 1**	
	Dimmer Up			**x 2**	
	Dimmer Down			**x 3**	
	Toggle			**x 4**	
	Level 1 brightness (set by default at 25% of the maximum value)			**x 5**	
	Level 2 brightness (set by default at 50% of the maximum value)			**x 6**	
	Level 3 brightness (set by default at 75% of the maximum value)			**x 7**	

	Level 4 brightness (set by default at 100% of the maximum value)	**x 8**
	OFF	**x 9**
	ON	**x 10**

04.		**N** **GREEN led**	**N = number of presses of the key on the transmitter according to the selected function**	
05.	**new transmitter**		**2** **GREEN led**	**new transmitter**

⚠ Warning! - If there are 2 RED led flashes, the memorisation has not been performed correctly. In this case, repeat the procedure from the beginning.

Note 1: It is advisable not to associate the key ■ of the new transmitter to the "Dimmer Up" or "Dimmer Down" functions.

Note 2: A key that is already associated with a function, can be reprogrammed for other functions.

4.4 - Memory deletion

4.4.1 - Total deletion through "Memorised Transmitter"

By using a transmitter memorised in "Mode 1", you can fully or partially delete the memory.

01.			**1** **GREEN led**	
02.			**2** **GREEN led**	
03.			**3** **GREEN led**	
04.			**4** **GREEN led**	
05.	**select the desired function**			
	Delete only the transmitters		**2** **GREEN led**	
	Delete only the parameters		**2** **GREEN led**	
	Delete transmitters and parameters		**2** **GREEN led**	

⚠ Warning! - If there are 2 RED led flashes, the total memory deletion has not been performed correctly. In this case, repeat the procedure from the beginning.

4.4.2 - Total deletion of the memory with key

With the front button of the dimmer you can restore the TTDMP to factory settings, resetting all previously memorised parameters:

01.	**10 sec.**		**2** **GREEN led**	

⚠ Warning! - If there are 2 RED led flashes, the total memory deletion has not been performed correctly. In this case, repeat the procedure from the beginning.

4.5 - Programming the brightness Levels

4.5.1 - Programming through "Memorised Transmitter"

This procedure can only be done using a transmitter already memorised in "Mode 1".

The memorised brightness level can only be recalled after being associated with a transmitter key programmed in "Mode 2".

01.			**1** **GREEN led**	
02.			**2** **GREEN led**	
03.	**Use the keys ▲ - ▼ to adjust the brightness**			**2** **GREEN led**
04.	**select the desired function**			
	Level 1		**2** **GREEN led**	
	Level 2		**2** **GREEN led**	
	Level 3		**2** **GREEN led**	
	Level 4		**2** **GREEN led**	

⚠ Warning! - If there are 2 RED led flashes, the memorisation has not been performed correctly. In this case, repeat the procedure from the beginning.

4.6 - Programming the locking and unlocking of the memory

Locking the memory of the TTDMP dimmer impedes the memorisation of new transmitters while unlocking it re-enables this possibility. The memory is locked by default.

4.6.1 - Using "Memorised Transmitter":

This procedure can only be done using a transmitter already memorised in "Mode 1".

01.			**1 GREEN led**		
02.			**2 GREEN led**		
03.			**3 GREEN led**		
04.			**4 GREEN led**		
05.			**select the desired function**		
	To lock the memory			**2 GREEN led**	
	To unlock the memory			**2 GREEN led**	

⚠ Warning! - If there are 2 RED led flashes, the memorisation has not been performed correctly. In this case, repeat the procedure from the beginning.

5 BASIC TROUBLESHOOTING...

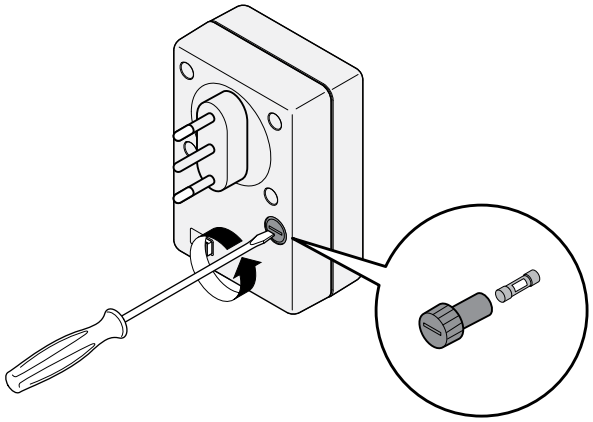
• If the RED LED on the TTDMP flashes repeatedly, check in table 5 the type of problem and the possible solution:

Table 5

Colour	Flashes	Description	Solution
Red	1 repeated	Overcurrent alarm	Remove power from TTDMP and check that the load complies with technical specifications, then restore power to TTDMP again
	2 repeated	Overvoltage alarm	Remove power from TTDMP and check that the load complies with technical specifications, then restore power to TTDMP again
	3 repeated	Overload alarm	Remove power from TTDMP and check that the load complies with technical specifications, then restore power to TTDMP again
	4 repeated	Overtemperature alarm	Remove power from TTDMP and check that the load complies with technical specifications. Wait for the device to return below the overtemperature threshold and then restore power to TTDMP
	5 repeated	Internal error alarm	Remove power from TTDMP and check that the load complies with technical specifications, then restore power to TTDMP again

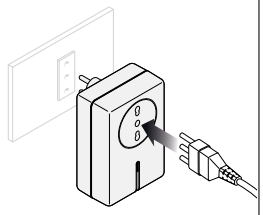
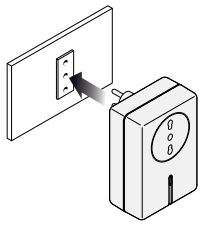
• If TTDMP is not working and the LED does not flash, the protection fuse may be the cause of the problem: replace it if necessary as shown in the diagram at the side.

For the technical specifications of the fuse see chapter 6.



6 TECHNICAL SPECIFICATIONS

WARNINGS: • All technical specifications stated herein refer to an ambient temperature of 20° C (± 5° C). • Nice S.p.a. reserves the right to modify its products at any time it deems necessary, while maintaining the same intended use and functionality.

TTDMP ("Italian" model)		
Compatible plugs 	TYPE C: CEE 7/16 (Europlug)	TYPE L: CEI 23-50 (Italian) both 10 A (19 mm C/C distance) and 16 A (26 mm)
Compatible sockets 	TYPE L: CEI 23-50 16 A (Italian)	Multistandard socket which includes Standard TYPE L

Input	
Voltage	230 V AC ±10%
Frequency	50 Hz
Power consumption (standby)	< 500 mW
Output	
Voltage	230 V AC ±10%
Frequency	50 Hz
Maximum power	350 W
Environment	
Operating temperature	-20 / + 40 °C
Storage temperature	-25 / + 70 °C
IP	20
Dimensions	96 x 66 x 40 mm
Weight	150 g
Safety device	
Fuse	Delay fuse 250 V - 3.15 A - 5 x 20 mm
Overload	Automatic detachment

7 DISPOSAL OF THE PRODUCT

⚠ WARNING! - Some parts of the product may contain polluting or hazardous substances which, if disposed of into the environment, constitute serious environmental and health risks.

As indicated by the symbol, the product may not be disposed of as domestic waste. Sort the materials for disposal, according to the methods envisaged by current legislation in your area, or return the product to the retailer when purchasing an equivalent product.

⚠ WARNING! - Local legislation may include the application of serious fines in the event of improper disposal of this product.

CE declaration of conformity

Declaration in compliance with Directive 1999/5/EC

Note - The content of this declaration corresponds to that specified in the official document deposited at the Nice S.p.A. headquarters and, in particular, to the latest revised edition available prior to the publishing of this manual. The text herein has been re-edited for editorial purposes. A copy of the original declaration can be requested from Nice S.p.A. (TV) I.

Declaration number: **559/TTDMP** Revision: **0** Language: **EN**

Manufacturer's Name: NICE S.p.A.
Address: Via Pezza Alta 13, 31046 Rustignè di Oderzo (TV) Italy
Person authorised to compile the technical documentation: NICE S.p.A.
Type of product: Feed-through light dimmer
Model / Type: TTDMP
Accessories: -

The undersigned, Mauro Sordini, as Chief Executive Officer, hereby declares under his own responsibility that the products conform to the essential requirements set forth in Article 3 of the following European directive, for the products' intended use:

• DIRECTIVE 1999/5/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 9 March 1999 on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity, in accordance with the following harmonised standards:
· Health and safety (Art. 3(1)(a)): EN 62479:2010
· Electrical safety (Art. 3(1)(a)): EN 60950-1:2006+A1:2010+A12:2011+A11:2009+A2:2013
· Electromagnetic compatibility (Art. 3(1)(b)): EN 301 489-1 V1.9.2:2011, EN 301 489-3 V1.6.1:2013
· Radio spectrum (Art. 3(2)): EN 300 220-2 V2.4.1:2012

Moreover, the product complies with the specifications in the following European directives:

• Directive 2006/95/EC of the European Parliament and Council dated 12 December 2006 on the harmonisation of the laws of Member states relating to electrical equipment designed for use within certain voltage limits, according to the following harmonized regulations: EN 60669-2-1:2004+A1:2009+A12:2010

• DIRECTIVE 2004/108/EC OF THE EUROPEAN PARLIAMENT AND COUNCIL of 15 December 2004 on the approximation of the laws of Member States relating to electromagnetic compatibility and repealing Directive 89/336/EEC, in accordance with the following harmonised standards:
EN 55015:2006+A1:2007+A2:2009, EN 61547:2009, EN 61000-3-2:2006+A1:2009+A2:2009, EN 61000-3-3:2013

Oderzo, 19 November 2015

Mr.**Mauro Sordini**
(Chief Executive Officer)

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