CONTROL INTERFACE TO BE USED WITH DURASTRIP

Dimming and control systems can be used to improve the ambient aspect: they help creating special, different, soft and always lively atmospheres. Moreover, they have an important function of energy saving: by varying the emission and/or activating/deactivating the system or appliances, they allow optimising the presence of solar lighting.

| PRO | G5/h24 | IP20 | III |

DALI CONTROLLER FOR DURASTRIP white light

art.	Max current (A)	Volt OUT	Volt IN	Connection	IP	L1	L2	L3	8011905	
ZKCDAFF	8A/CH	12-24V$_{DC}$	12-24V$_{DC}$	Screw	20	167	51	23	955410	1

2-channel controller.

1-10V CONTROLLER for DURASTRIP white light

art.	Max current (A)	Volt OUT	Volt IN	Connection	IP	L1	L2	L3	8011905	
ZKC1-10FF	8A/CH	12-24V$_{DC}$	12-24V$_{DC}$	Screw	20	168	51	23	955427	1

It can be used with all White light Durastrips.

1 channel.

FLICKER FREE **Improved 4KHz technology; flicker free dimming.**

DALI INTERFACE

The DALI (Digital Addressable Lighting Interface) is a digital protocol interfacing with the power supplies. It is widely used in the lighting field as it provides visible benefits compared to the 1-10V analog control technology (it is essentially a flexible, digital control that allows addressing the single appliances).
The DALI protocol allows defining appliance units and managing the lighting sceneries, to create the right lighting of an ambient according to its use. Different lighting sceneries can be configured and enabled using a simple key, without involving the system wiring.
The DALI protocol is more simple and economic compared to the integrated management systems of a building (building management).
A DALI network can control up to 64 appliances/lamps.
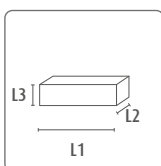
1-10V DIMMING INTERFACE

The 1-10V luminous intensity control system
runs with analog technology: 1 corresponds to 0% and 10 to 100% of the lamp emission.
The intensity can be adjusted by using the linear curve or logarithmic curve and it is the simplest system to install.
The connection is carried out by 2 polarity wires placed between the power supply and controller. It can be used with active or passive control systems.
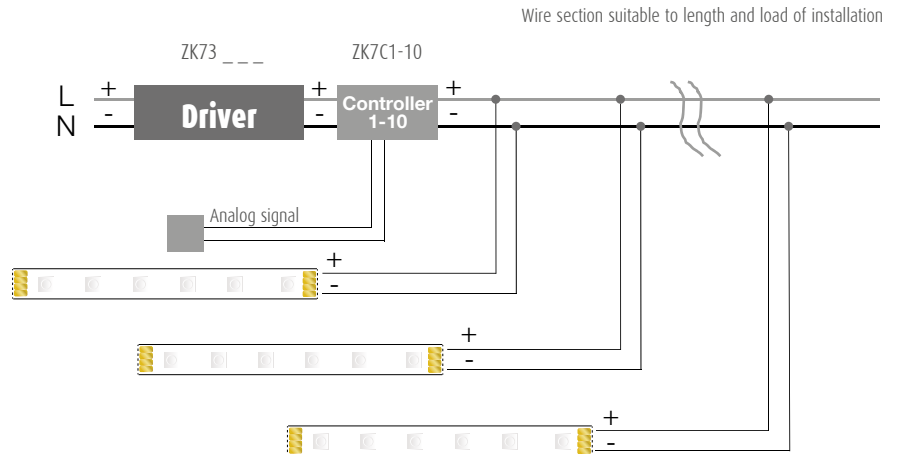
How to use DURASTRIP with our controllers? Here the indications of maximum power.		DURASTRIP 24VDC
	ZKCDAFF	240W/CH
	ZKC1-10FF	240W

DURASTRIP WIRING DIAGRAMS

DURASTRIP

CONTROLLERS:
1-10V scheme

Wire section suitable to length and load of installation

ZK73 _ _ _   ZK7C1-10

L +   +   Controller   +
Driver   1-10
N -   -   -

Analog signal

+
-

+
-

+
-

DURASTRIP

CONTROLLERS:
DALI scheme (Push)

ZK73 _ _ _   ZKCDAFF

L   +   Controller   CH1
Driver   DALI 2x8A
N   -   CH2   Max 8A/CH
DA1 DA2

DALI IN - Push

Strip 1 - 24/48/96W 24V

Strip 2 - 24/48/96W 24V

DURASTRIP

CONTROLLERS:
DALI Scheme

ZK73 _ _ _   ZKCDAFF

L   +   Controller   CH1
Driver   DALI 2x8A
N   -   CH2   Max 8A/CH
DA1 DA2

DALI IN - Digital signal

Strip 1 - 24/48/96W 24V

Strip 2 - 24/48/96W 24V
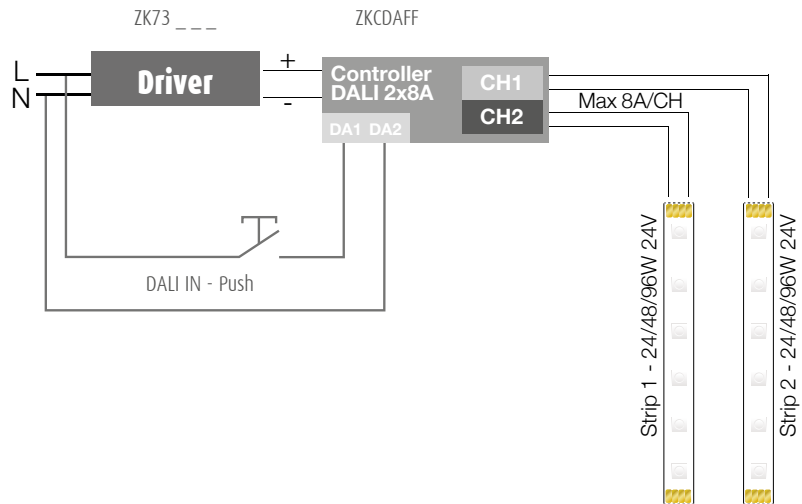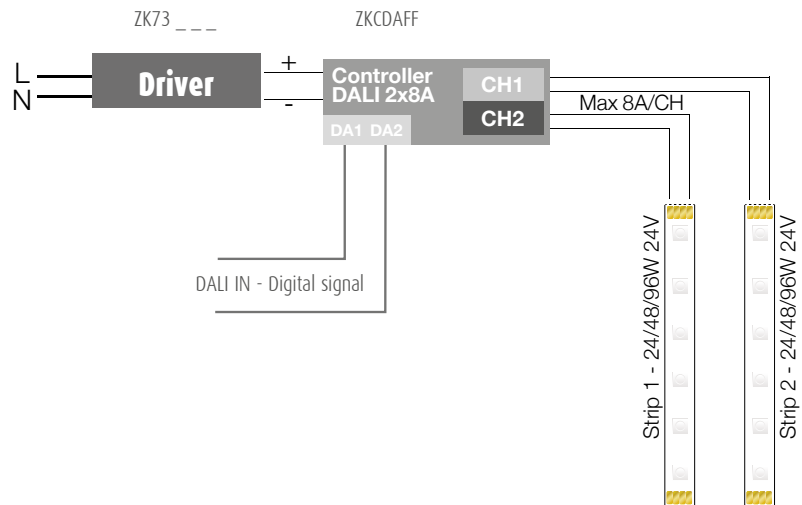
CONTROL INTERFACE TO BE USED WITH DURASTRIP

| PRO | G5/h24 | IP20 | ◇III |

DMX CONTROLLER FOR DURASTRIP RGB (or white on 3 channels)

art.	Max current (A)	Volt OUT	Volt IN	Connection	IP	L1	L2	L3	‖‖‖‖‖ 8011905	📦
ZKCDMX-R ◆	6,4/CH	12-24V$_{DC}$	12-24V$_{DC}$	RJ45/Screw	20	178	42	33	957094	1

It can be used with all Durastrip RGB, and white.
Version with RJ45 connector, which can be used in a traditional way or with remote control included in the package.
◆ To be discontinued

DMX 4 CHANNELS CONTROLLER FOR DURASTRIP RGB+WHITE (or 4 channels)

art.	Max current (A)	Volt OUT	Volt IN	Connection	IP	L1	L2	L3	‖‖‖‖‖ 8011905	📦
ZKCDMXWFF	4/CH	12-24V$_{DC}$	12-24V$_{DC}$	Screw	20	168	51	22	955403	1

Can be used with Durastrip RGB+white.
Connection diagrams are available at www.duralamp.it (in the product datasheet).

FLICKER FREE ▊▊▎▎ **Improved 4KHz technology; flicker free dimming.**

PWM signal repeater for 4 channels white light strips

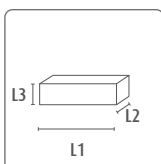| art.	Max current (A)	Volt OUT	Volt IN	Connection	IP	L1	L2	L3	‖‖‖‖‖ 80119058	📦
ZKREP-4CH	5/CH	24V @ 480W	12-36V$_{DC}$	Screw	20	178	46	22	62701	1
ZKREP-4CH-IP	5/CH	24V @ 480W	12-36V$_{DC}$	Screw	67	181	74	38	62718	1

DMX INTERFACE

DMX512, which abbreviation is DMX (Digital MultipleX), is a communication protocol mainly used to control lighting (even LED type), from computers or control units. It is normally used to control colored lighted or white lighted appliances (RGB) with variable temperature.

Thanks to the high transmission speed of the data, the DMX allows making dynamic and even complex sceneries. A DMX network consists in 512 channels; the number of appliances that can be controlled cannot be defined beforehand, as it depends on how many DMX channels each appliance uses. E.g., if every appliance of the DMX network uses 3 DMX channels, the network can contain 170 appliances.

ZKCDMX-R code version: Equipped with RJ45 connector for DMX signal, complete with looping system and remote sensor with plug (20 cm cable). It can be used in a traditional way or with remote control included in the packaging (signal distance 10 mt in free air).
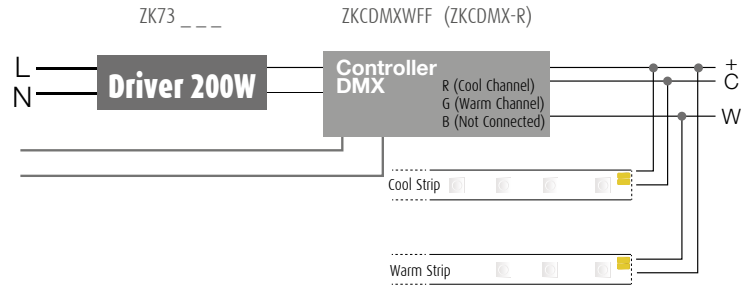
How to use DURASTRIP with our controllers? Here the indications of maximum power.		DURASTRIP 24VDC
	ZKCDMX	144W/CH
	ZKCDMX-R ◆ **/ ZKCDMXWFF**	120W/CH

◆ To be discontinued

DURASTRIP

CONTROLLERS:
DMX scheme
linear system

ZK73 _ _ _   ZKCDMXWFF (ZKCDMX-R)

L

N

Driver 200W

Controller DMX

R (Cool Channel)
G (Warm Channel)
B (Not Connected)

+
C
W

Cool Strip

Warm Strip

Example of of strip secondary unit

DURASTRIP

CONTROLLERS:
DMX Scheme

ZK73 _ _ _   ZKCDMX-R (ZKCDMXWFF)

L +

N -

Driver

Controller DMX

CHR
CHG
CHB
+

Strip 1

CHR
CHG
CHB
+

Strip 2

Signal - DMX512

CHR
CHG
CHB
+

Strip 3

Controller DMX

CHR
CHG
CHB
+
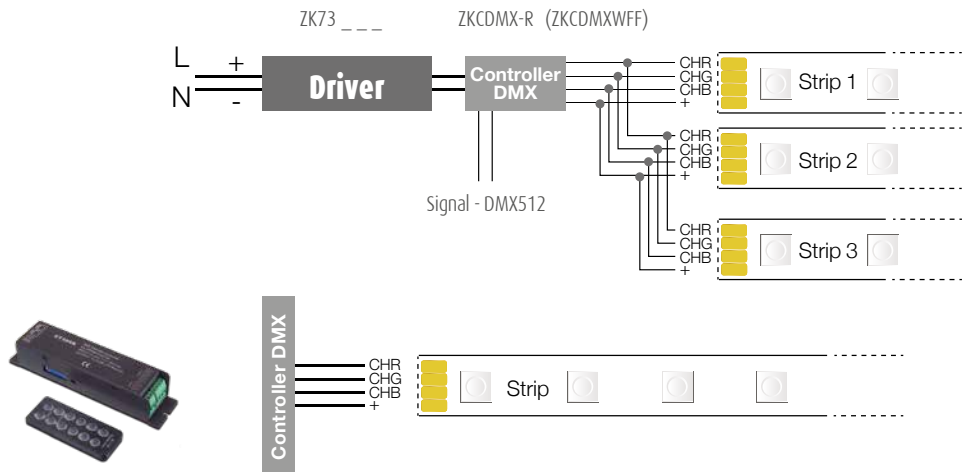
Strip

DURASTRIP

CONTROLLERS:
DMX IR Scheme

ZK73 _ _ _   ZKCDMX-R

L +

N -

Driver

Controller DMX

CHR
CHG
CHB
+

Strip 1

Max 10mt

Receiver

CHR
CHG
CHB
+

Strip 2

CHR
CHG
CHB
+

Strip 3

Controller DMX

CHR
CHG
CHB
+
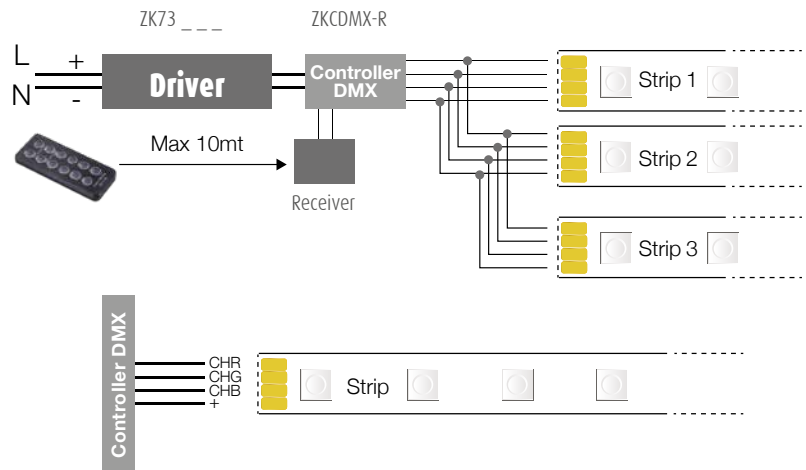
Strip

DURASTRIP RGBW

CONTROLLER RGB+W
(Cod. ZKCDMXW)

ZK73 _ _ _   ZKCDMXWFF

L +

N -

Driver

Controller RGBW

Signal - DMX512

Strip
RGB

Strip
WW

Strip
RGBW