

Name Dimmer DALI Integrated

Ref

Dm VVF1 01

PRODUCT MODULE (MAX 4 MODULES) COLOR

EXAMPLE CODE DmTVD101: Dimmer 1D DALI Matt White

Product Code

Dimmer Dm

Circum Dimmer CD

Module Code

DALI Single VVF1

DALI Double VVF2

Color Code

Stainless Steel 01

Matt White RAL9010 02

Brushed Brass 06

Nickel + Textured Black 09

Textured Black 14

Tin Antique 19

Brass Antique 20

Copper 29

Textured Black + Nickel 32

Matt White + Textured Black 35

Brushed Brass + Brass Knurl 37

Stainless Steel + Nickel Knurl 38

Bronze Antique + Brass Knurl 39

Gunpowder Black (Fusain) 41

Nickel + Nickel Knurl 43

Textured Black + Brass Knurl 46

Technical specifications

Power Supply powered by separate DALI PSU

Operation Current 5mA

Protection IP20

DALI Connection max 300m cable with 1.5mm²

DALI Mode DT8-TC

- NL Installatie- en onderhoudsrichtlijnen met betrekking tot de fabrieksgarantie**
1. De plaatsing, de aansluiting en het uittesten van dit toestel dient steeds te gebeuren door een erkend elektro-installateur.
 2. Dit toestel moet geïnstalleerd, verbonden en getest worden volgens de nationaal geldende reglementen op de elektrische installaties.
 3. Deze technische bijsluiter dient te worden beschouwd als een onderdeel van de algemene verkoopvoorwaarden van Lithoss nv/sa.
 4. De elektro-installateur is verantwoordelijk voor het gebruik van compatibele apparaten die voldoen aan de geldende CE en IEC normen.
 5. Gebruik steeds de 'tool' voor het verwijderen van de 'Cover Plate' (afdekplaat).
 6. Reinig het toestel enkel met een zachte en licht vochtige doek zonder reinigingsmiddel.
 7. Leg altijd eerst de electriciteit af alvorens te plaatsen en installeren!

- FR Instructions d'installations et d'entretien à respecter vis-à-vis de la garantie d'usine.**
1. Le placement, le raccordement et l'essai de cet appareil doivent toujours être effectués par un électricien / installateur agréé.
 2. Cet appareil doit être installé, branché et testé suivant le règlement national sur les installations électriques en vigueur.
 3. Ce manuel d'installation technique représente une partie des conditions générales de vente de Lithoss nv/sa.
 4. L'installateur est responsable pour l'usage des produits compatible, qui sont conformes aux normes CE et IEC en vigueur.
 5. Utilisez toujours le 'tool' pour l'écartement du 'Cover Plate' (plaque de couvercle).
 6. Nettoyez l'appareil uniquement avec un chiffon doux et légèrement humide sans détergent.
 7. Toujours débrancher l'électricité AVANT d'installer!

- EN Installation and maintenance instructions associated to the manufacturer's warranty.**
1. The installation, connection and testing of this device should always be performed by a recognized electrician / installer.
 2. This device needs to be installed, connected and tested according to the official national instruction guide for electrical installations.
 3. This technical manual is to be considered as an additional term to the general sales conditions of Lithoss nv/sa.
 4. The installer is responsible for the use of compatible products which meet the CE and IEC rules.
 5. Always use the 'tool' for the removal of the 'Cover plate'.
 6. Clean the device only with a soft and slightly wet piece of cloth without any detergent.
 7. Always switch off the electricity BEFORE installation!

- DE Montage und Unterhal Instruktionen zu beachten mit Bezug auf der Fabrikgarantie.**
1. Die Montage, der Anschluß und das Austesten des Gerätes soll immer von einem zertifizierten electro-Installateur ausgeführt werden.
 2. Das Gerät muß installiert, angeschlossen und getestet werden nach der allgemeinen nationalen Richtlinien über die elektrische Installationen.
 3. Diese technische Gebrauchsanweisung gehört zu den allgemeinen Verkaufsbedingungen von Lithoss nv/sa.
 4. Der electro-Installateur ist verantwortlich für das Verwenden von CE und IEC kompatible Produkte.
 5. Benutzen Sie immer das 'tool' für den Abbau der 'Cover Plate' (Deckplatte).
 6. Das Gerät nur reinigen mit einem zarten und leicht feuchten Lappen ohne Reinigungsmittel.
 7. Immer die Elektrizität ausschalten bevor Installation!

Installation

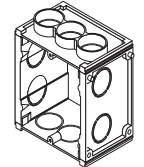
1

RECESSED WALL BOX INSTALLATION

Hole dia 68mm



OR



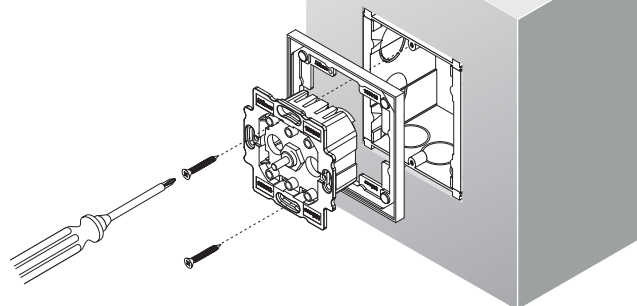
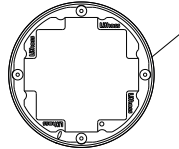
Box with screws

*Square boxes not compatible with Circum

2

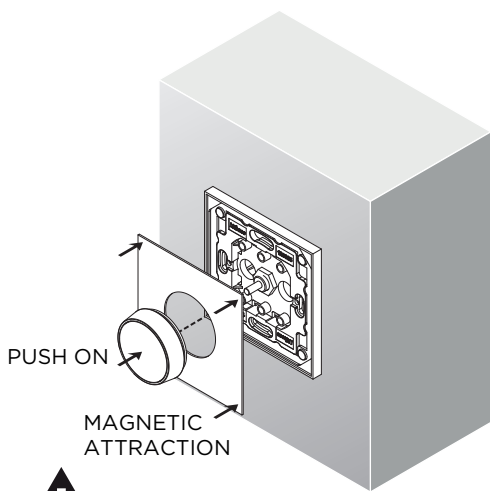
FIX FRAME TO WALL OR JUNCTION BOX WITH 2 SCREWS (USE HOLES ON VERTICAL AXIS)

*Follow same assembly steps in case of Circum frame



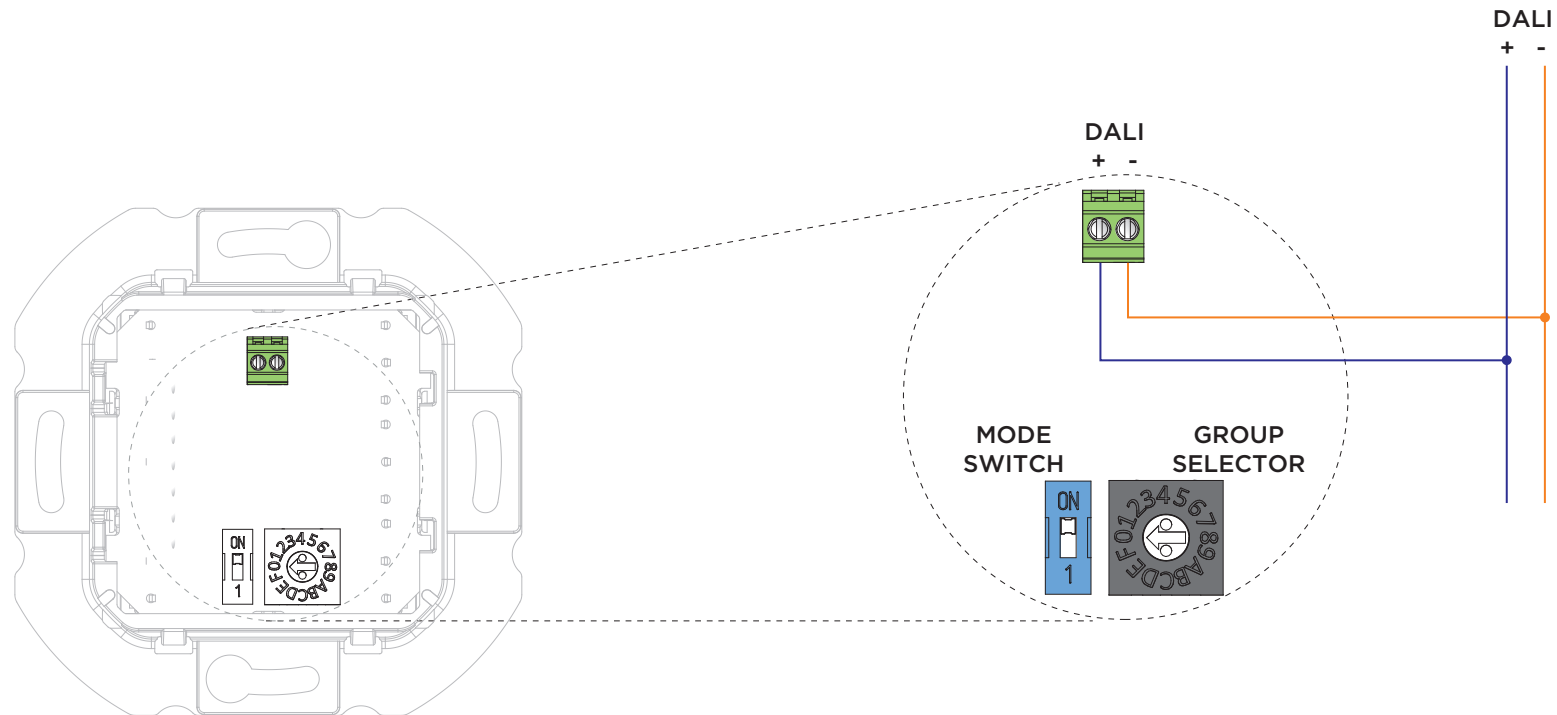
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PLACE COVERPLATE INTO FRAME



Gebruik steeds de Lithoss tool of paperclip voor het verwijderen van de afdekplaat.
Always use the Lithoss push pin or paper clip for the removal of the cover plate.
Verwenden Sie immer den Lithoss Push-Pin oder Büroklammer für das Entfernen der Deckplatte.
Utilisez toujours le Lithoss 'push pin' ou trombone pour l'écartement de la plaque de finition.

Wiring diagram



Multiple devices can be installed on one DALI Line to control one or more DALI Groups. The DALI signal should be wired onto the ribbon cable DA+ and DA-. The connection is non polar. Note that the DALI standard is non SELV. Control cable must be installed in accordance with the requirements of low voltage installations. Please refer to wiring diagram before installing.

CUSTOMER SERVICE
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Functions

- Delivers superior dimming and colour control to up to 60 DALI luminaires.
- This rotary module controls double channel DALI and DALI Type 8 two channel drivers - warm white and cool white.
- Power supplied by DALI Bus, you can install multiple DALI Dimmer modules.
- Rotary modules controlling the same group are synchronized automatically.
- Double rotary module controls up to 2 DALI Groups. When using with double rotaries, DALI group for rotary1 is set by the DALI group selector (Hex switch), the second switch automatically takes the next DALI group assignment.
- The unit provides a indicator LEDs and a Hex Switch (Group addressing) and a DIP switch (selecting Group or Broadcast option).
- Green LED indicate when configuration of the unit triggered (such as mode select, fade time etc).

Safety

- Installation should only be carried out by a qualified person in accordance with the current electrical wiring regulations.
- Ensure protection against electric shock by an appropriate enclosure.
- Before commencing with installation turn off and isolate the electrical supply.
- There are no user serviceable parts, attempting to service any part of the product will void the warranty.
- As the installer it is your responsibility to ensure you comply to all relevant building and safety codes. Refer to application standards for the relevant ruled.
- DALI is not SELV and such should be treated as LV (Mains Voltage).
- Attend regulations regarding electrical installations of national authorities.
- The voltage drop on the DALI line shall not exceed 2V.
- Individual DALI circuits must not exceed 250mA (depends on the DALI power supply used).
- The DALI line must not be connected to the mains or other extra low voltage systems. Wiring topology of the DALI line: Line, Tree or Star.
- When the installation is complete, give this manual to the building maintenance team for future reference.
- Units need to be installed in a dry back box. Avoid installation near wet locations. Only intended for internal use.
- Do not exceed the rating of the device.

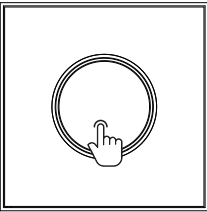
Technical instructions and information

Operation:

Click Dimmer: switch ON (1st DALI Group)
Click Dimmer again: switch OFF
Rotate the Dimmer: dim up or down

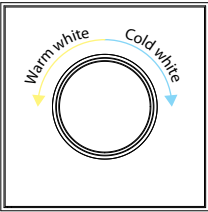
Double press Dimmer: enter colour temperature mode
Rotate the Dimmer: adjust colour temperature

After five seconds the rotary will return to on/off and dim mode. A Green LED near the group selector will illuminate when the unit is in Colour Mode.



A **double press** brings you in **colour temperature mode**.

Waiting **5 seconds** will return you to **dimming mode**.



Colour temperature mode:

Left turn lowers colour temperature (warmer white)

Right turn raises colour temperature (colder white)

Set Minimum Dimming Level

If needed you can change the minimum brightness level of the dimmer. Dim the lights to the required minimum dim level and then press and hold down the knob for five seconds until the light flashes. It is dimmable from this minimum brightness value to 100%

Delete the Minimum Brightness Value

Push and hold shaft for five seconds then rotate anti clockwise (while pushing button down) until the driver does not dim any more. With appropriate DALI software and a programming interface the DALI devices can be assigned to a certain DALI group. The dimmer can then be set to dim a DALI Group. If several ColourDIM rotaries are connected to the same line each rotary can be set to dim a different DALI Group creating a lot of flexibility in the installation.

Standards

DALI: IEC 62386-101, IEC 62386-102, IEC 62386-209, IEC 62386-207
EMC Emission: EN 55015, EN61000-3-2, EN61000-3-3, EN60669-2-1
EMC Immunity: EN 61547
Safety: EN 61347-2-11, EN61347-1
Environment: Complies with WEEE and RoHS directives
Conformity: CE, UKCA

DALI group settings

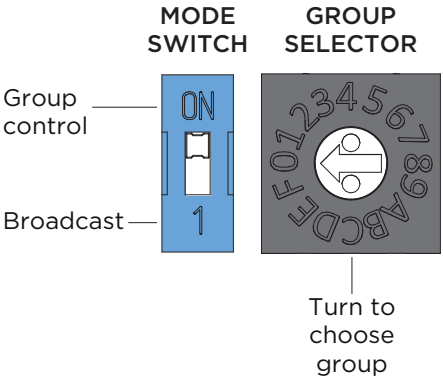
DALI group number may be set manually using group selector (rotary Hex switch) on the module.

In case of single dimmer:

When Mode switch on module is ON; the rotary will control DALI group as shown on group selector. When Mode switch on module is OFF, rotary will be DALI Broadcast.

In case of double dimmer:

When Mode switch on module is ON; 1st rotary will control DALI group as shown on group selector, 2nd rotary will control DALI group+1. When Mode switch on module is OFF; 2nd rotary will be DALI Broadcast, 1st rotary will control DALI group as shown on group selector.



Rotary Hex Switch Position	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
DALI Group	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Adjustable Fade Time

As a default, the Fade Time is set as 0.7 seconds for dimming up/down & colour changing as you hold any switch to dim. If you need to change the default Fade Time to a different value, follow the below procedure.

- To set the Fade Time, the DIP Switch (S1) should be switched to the opposite setting and switched back within 1.5 seconds.
- The Green LED will then start to flash during which time the Group selector (Hex switch) can be set.
- When the flashing stops the current value of the Hex switch is committed to memory.
- Value 0 is no fade, value F is the highest Fade Time (see below).

Rotary Hex Switch Position	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Fade Time (Seconds)	0	0.7	1	1.5	2	3	4	6	8	12	16	22	32	45	64	90