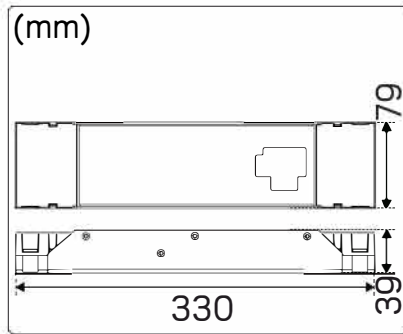


LED-dimtrafo RGBW/TW DALI 24V 200W

hidealite



- DO NOT install with power applied to device.
- DO NOT expose the device to moisture.
- Installera INTE med ström ansluten till enheten.
- Utsätt INTE enheten för fukt.

- 6 in 1 DALI DT8 LED driver, max. output power 200W total
- 6 universal device types in 1: Tc, T.c, X.6, XY, r9, t6 can be set by the buttons
- In compliance with IEC 62386-101:2014, IEC 62386-102:2014, IEC 62386-207 Ed2, IEC 62386-209:2011
- Built-in DALI-2 interface, DALI DT8 device
- 4 channels DC 24V constant voltage output
- Class 1 power supply, full isolated plastic case
- Power factor > 0.98, efficiency > 93%
- DALI DT8 device to control RGBW outputs or tunable white outputs via a single DALI address
- Control of four PWM outputs via DALI device type 8
- Color control as defined in the DALI specification device type 8
- Multi-color types can be set by manual set buttons
- Supports DT8 device commands, compatible with DALI master that support DT8 commands
- Configuration via DALI master USB interface
- Numeric digital display for setting DALI address manually
- Compatible with universal AC push switch
- Compliant with Safety Extra Low Voltage standard
- Over load, over temperature protection
- IP20 rating, suitable for indoor LED lighting applications
- 5 years warranty

E-nr	Snro	El.nr	GTIN	Name
7982342	4011459	6600304	7392971146355	LED-dimtrafo RGBW/TW DALI 24V 200W

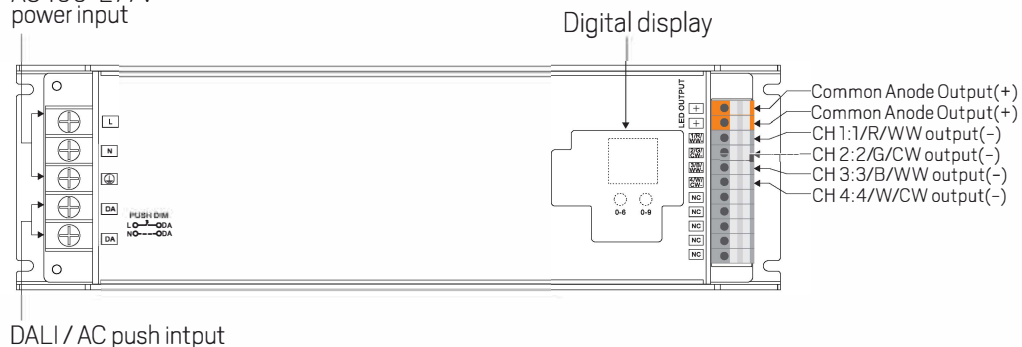


For explanation of symbols see www.hidealite.se

SAFETY INSTRUCTIONS

- en** Read these instructions carefully before commencing installation and retain for future reference. All connections to the driver must only be made by a qualified electrician or a person with the necessary expertise in electrical installation in accordance with the relevant rules and standards. Make sure that the power is off before installation or maintenance.
- sv** Läs dessa instruktioner före installationen påbörjas och lämna den vidare till brukaren av anläggningen. All anslutning till drivdonet får endast utföras av behörig elektriker eller person med nödig kännedom om elektrisk installation i enlighet med gällande regler och standarder till att spänningen är fränslagen före installation eller underhåll.
- fi** Lue nämä ohjeet ennen asentamista ja luovuta ohjeet valaisimen seuraavalle käyttäjälle. Kytkenät ohjaimen saa tehdä ainoastaan pätevä sähköasentaja tai sähköasennukset hallitseva henkilö voimassa olevien määräysten ja standardien mukaisesti. Varmista, että jännite on kytketty päältä ennen asennusta ja huoltoa.
- no** Les disse instruksjonene før du starter installeringen, og gi den deretter videre til anleggets bruker. All tilkobling til omformerens skal utføres av godkjent elektriker eller person med nødvendig kunnskap om elektrisk installasjon i henhold til gjeldende forskrifter og standard. Sørg for at strømmen er koblet fra før installering og ved vedlikehold.
- da** Læs disse anvisninger før du starter installationen og aflever vejledningen til anlæggets bruger. Alle tilslutninger på konverteren skal udføres af en autoriseret elinstallatør i overensstemmelse med gældende regler og standarder. Afbryd spænding før installation og vedligeholdelse.
- de** Lesen Sie diese Anweisungen sorgfältig, bevor Sie mit der Installation beginnen, und bewahren Sie sie für späteres Nachschlagen auf. Sämtliche Anschlüsse am Treiber dürfen nur von einem qualifizierten Elektriker oder einer Person mit der notwendigen Fachkenntnis im Bereich Elektroinstallationen und in Übereinstimmung mit den geltenden Richtlinien und Normen vorgenommen werden. Stellen Sie vor Installations- oder Wartungsarbeiten sicher, dass keine Spannung mehr anliegt.
- pl** Przed przystąpieniem do instalacji należy się uważnie zapoznać z instrukcją i zachować ją na przyszłość. Wszystkie połączenia prowadzące do sterownika muszą zostać wykonane przez wykwalifikowanego elektryka bądź osobę posiadającą niezbędną wiedzę specjalistyczną w zakresie instalacji elektrycznych zgodnie z obowiązującymi przepisami i normami. Przed instalacją lub konserwacją wyłączyć zasilanie.
- fr** Lisez attentivement ces consignes avant de commencer l'installation. Pensez également à vous y reporter ultérieurement. Tous les raccordements au moteur doivent uniquement être effectués par un électricien qualifié ou par un individu qui dispose de l'expertise requise en matière d'installation électrique, conformément aux normes et aux règles pertinentes. Veillez à couper le courant avant l'installation et toute opération de maintenance.

AC 100-277V
power input



DALI / AC push input

Output	LED Channel	4
	DC Voltage	24VDC
	Max. Current	Max. 4.1A/ch, ch1+ch2+ch3+ch4=8.4A
	Voltage Tolerance	±1%
	Rated Power	max. 200W (2ch max 100w/ch)
Input	Voltage Range	100-277VAC
	Frequency Range	50/60Hz
	Power Factor (Typ.)	> 0.98 @ 230VAC
	Total Harmonic Distortion	THD ≤ 15% (@ full load / 230VAC)
	Efficiency (Typ.)	93% @ 230VAC full load
	AC Current (Typ.)	2.3A @ 100VAC, 1A @ 230VAC, 0.9A @ 277VAC
	Inrush Current (Typ.)	COLD START Max. 65A at 230VAC
	Leakage Current	< 0.5mA/230VAC
	Standby Power Consumption	< 1W
Control	Dimming Interface	DALI Device Type 8 (DALI consumption < 2mA)/Push
	Dimming Range	0.1%-100%
	Dimming Method	Pulse Width Modulation
	Dimming Curve	Logarithmic
Protection	Over Current	Yes, recovers automatically after fault condition is removed
	Over Temperature	Yes, recovers automatically after fault condition is removed
Environment	Working Temp.	-20°C ~ +45°C
	Max. Case Temp.	85°C (Ta = "45°C")

We reserve the right to change specifications at any time.

Artnr IM00580 Version 2019/03

	Working Humidity	10% ~ 95% RH non-condensing
	Storage Temp. & Humidity	-40°C ~ +80°C, 10% ~ 95% RH
Safety&EMC	Safety Standards	UL8750, CAN/CSA C22.2 No. 250,13-14, ENEC EN61347-1, EN61347-2-13 approved
	Withstand Voltage	I/P-O/P: 3,75KVAC
	Isolation Resistance	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH
	EMC Emission	EN55015, EN61000-3-2, EN61000-3-3
	EMC Immunity	EN61547, EN61000-4-2, 3, 4, 5, 6, 8, 11, surge immunity Line-Line 1KV
Others	MTBF	189800H, MIL-HDBK-217F @ 230VAC at full load and 25°C ambient temperature

Operation



1. Select a DALI Device Type

- 1.1. Press and hold down both buttons until digital display flashes, then release the button.
- 1.2. Keep clicking the 2nd button, you will get the 8 device types one by one as follows, 6 of them are valid modes, please ignore the other 2 modes which are invalid here:

7C , means 2 Tc color type devices integrated in one control gear, which can control 2 groups of tunable white LED separately using 2 DALI addresses under this mode.

HC (invalid mode since this mode requires 5 PWM channels) , means XY & Tc color type devices integrated in one control gear, which can control RGB & CCT LED separately using 2 DALI addresses under this mode.

rc (invalid mode since this mode requires 5 PWM channels) , means RGBWAF & Tc color type devices integrated in one control gear, which can control RGB & CCT LED separately using 2 DALI addresses under this mode.

HE , means XY & DT6 type devices integrated in one control gear, which can control RGB & W LED separately using 2 DALI addresses under this mode.

HY , means XY coordinate color type, which can control RGB LED using 1 DALI address under this mode.

7C , means Tc color type, which can control tunable white LED using 1 DALI address under this mode.

rg , means RGBWAF color type, the device can control RGBW LED using 1 DALI address under this mode.

7E , means DT6 device type, which can control single color LED using 1 DALI address under this mode.

- 1.3. Select a device type you would like and then press and hold down both buttons until digital display stops flashing to confirm the selection.



2. Setting DALI address

- 2.1. Press and hold down the first button on the left until digital display flashes, then release the button.
- 2.2. Click any of the two buttons once to select a digit, click again to change the digit until the desired DALI address appears. Click first button to set "tens" position and second button to set "units" position. The address can be set from 00~63.
- 2.3. Then press and hold down any of the 2 buttons until the numeric digital display stops flashing to confirm the setting.

Note: DALI address can be manually assigned from 00-63-FF, by factory defaults, no DALI address is

assigned for the dimmer, and the display shows **FF**. Setting DALI address as **FF** will reset the dimmer to factory defaults.

3. Once an address is selected, depending on the device type selected, the control gear may occupies 2 consecutive addresses or 1 address. For example, if the control gear is addressed to 22 on the display, when the device type is multi-addresses type, the control gear occupies address 22 & 23, when the device type is single-address type, the control gear occupies address 22.

4. DALI Address Assigned by DALI Masters

DALI address can also be assigned by DALI Master controller automatically, please refer to user manuals of compatible DALI Masters for specific operations.

Note: The digital display will show **AU** When the DALI master is assigning addresses. When the device type is multi-addresses type, the control gear will be discovered as 2 separate devices.

5. Push Dimmer Mode

While connected with an AC push switch, the digital display will show "PD" which means Push Dimmer Mode, operations under Push Dimmer Mode are as follows:

- While **7C** device type is selected, only the 1st group tunable white LED will be controlled by the push switch.
- Ÿ Click the button to switch ON/OFF
- Ÿ Press and hold down the button to increase or decrease light intensity to desired level and release it, then repeat the operation to adjust light intensity to opposite direction. The dimming range is from 1% to 100%.
- Ÿ Double click the button to switch between brightness mode and color temperature mode.
- Ÿ Press and hold down the button to change color temperature under color temperature mode.

While **H6** device type is selected, only the RGB LED will be controlled by the push switch,

• Click the button to switch ON/OFF

• Press and hold down the button to increase or decrease light intensity to desired level and release it, then repeat the operation to adjust light intensity to opposite direction. The dimming range is from 1% to 100%.

• Double click the button to switch between brightness mode and RGB color mode.

• Press and hold down the button to change RGB colors under RGB color mode.

While **H4** or **r9** device type is selected, RGB LED will be controlled by the push switch,

• Click the button to switch ON/OFF

• Press and hold down the button to increase or decrease light intensity to desired level and release it, then repeat the operation to adjust light intensity to opposite direction. The dimming range is from 1% to 100%.

• Double click the button to switch between brightness mode and RGB color mode.

• Press and hold down the button to change RGB colors under RGB color mode.

While **7c** device type is selected, tunable white LED will be controlled by the push switch,

• Click the button to switch ON/OFF

• Press and hold down the button to increase or decrease light intensity to desired level and release it, then repeat the operation to adjust light intensity to opposite direction. The dimming range is from 1% to 100%.

• Double click the button to switch between brightness mode and color temperature mode.

• Press and hold down the button to change color temperature under color temperature mode.

While **76** device type is selected, single color LED will be controlled by the push switch,

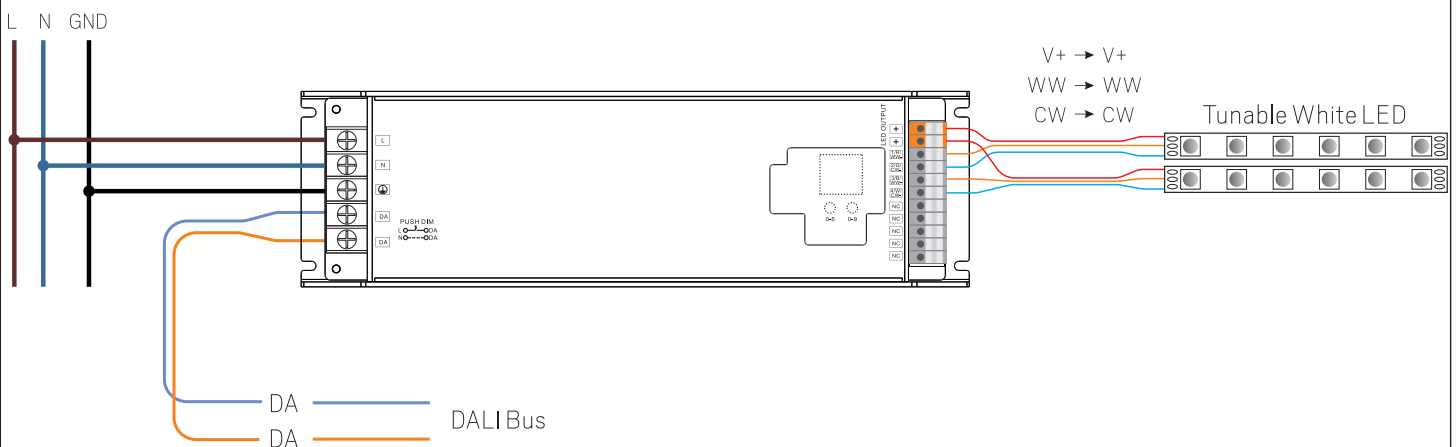
• Click the button to switch ON/OFF

• Press and hold down the button to increase or decrease light intensity to desired level and release it, then repeat the operation to adjust light intensity to opposite direction. The dimming range is from 1% to 100%.

Memory function after power off or power failure enables the device to memorize the status before power off while power on again.

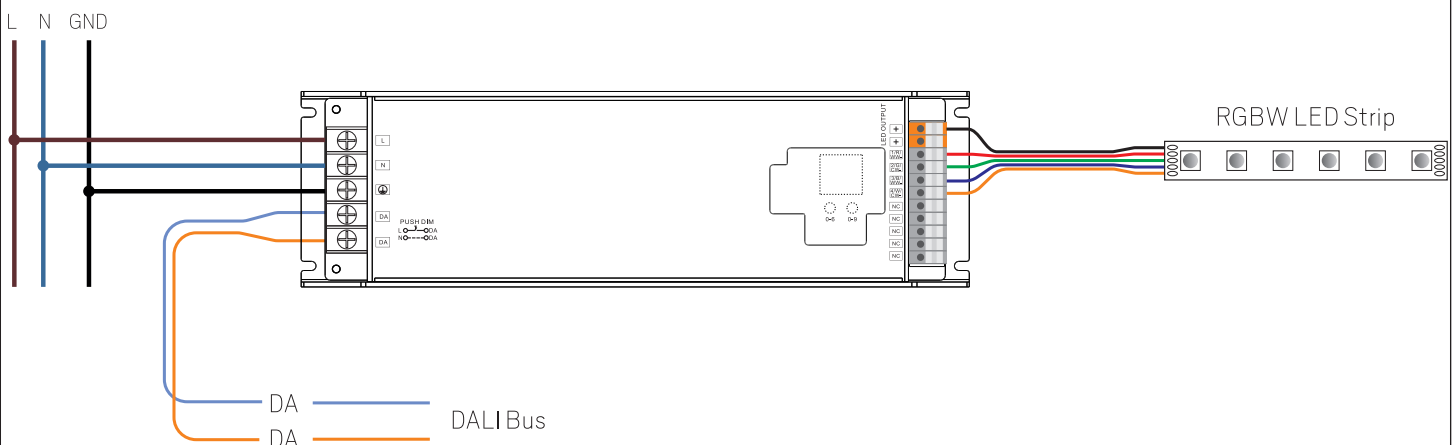
Wiring diagram – With DALI Master

1. When **7c** multi-addresses Tc device type selected



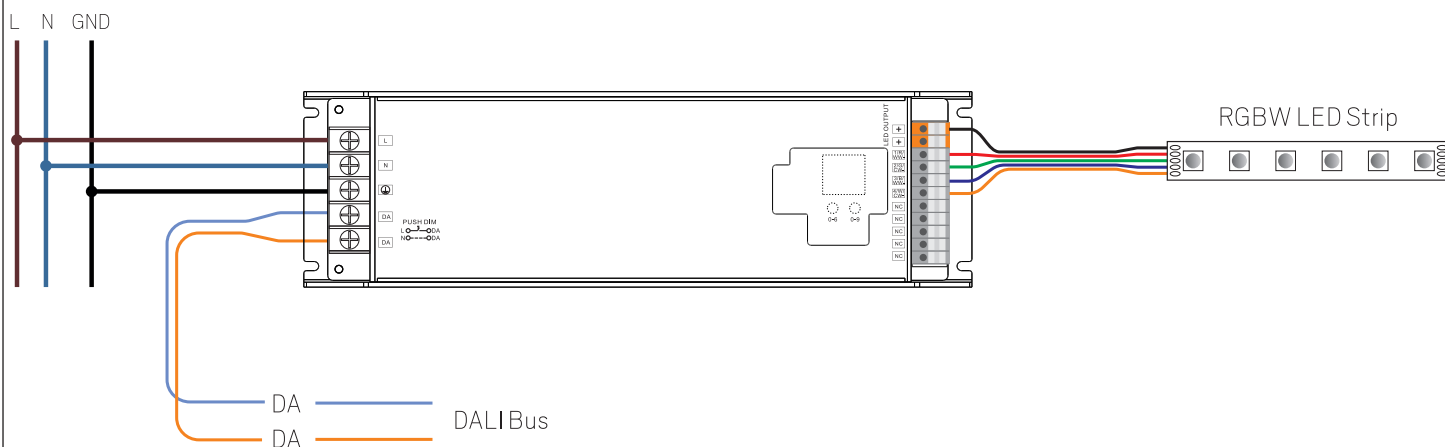
- Note:** 1) Please make sure that the DALI master controller supports Tc color type commands.
2) The control gear will be discovered by master controller as 2 separate Tc devices.

2. When **H6** multi-addresses XY+Single Color(DT6) device type selected



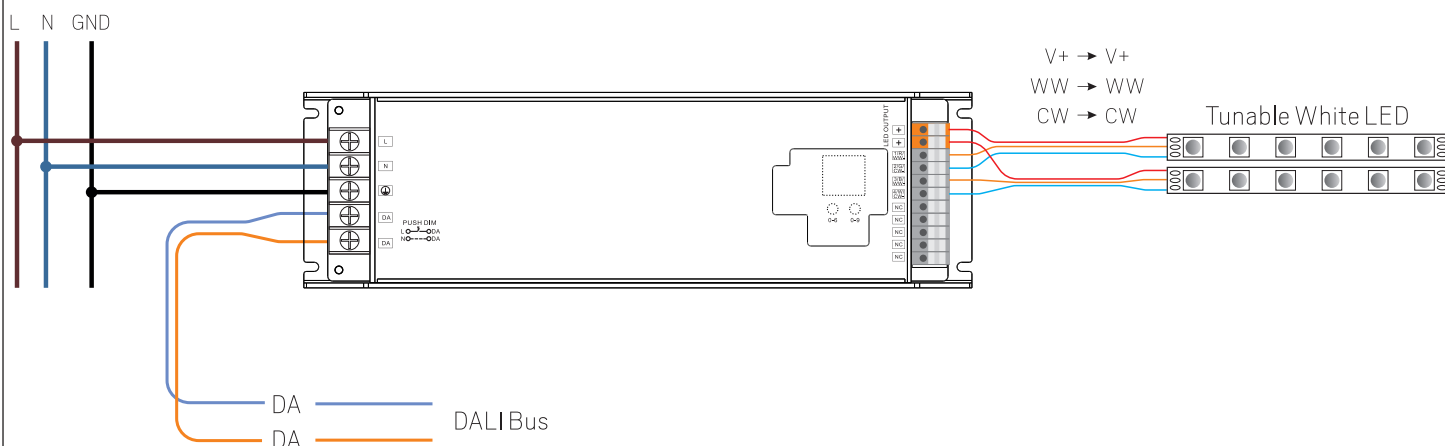
- Note:** 1) Please make sure that the DALI master controller supports XY & DT6 color type commands.
2) The control gear will be discovered by master controller as 2 separate devices: XY, DT6

3. When **H4** single-address XY device type selected



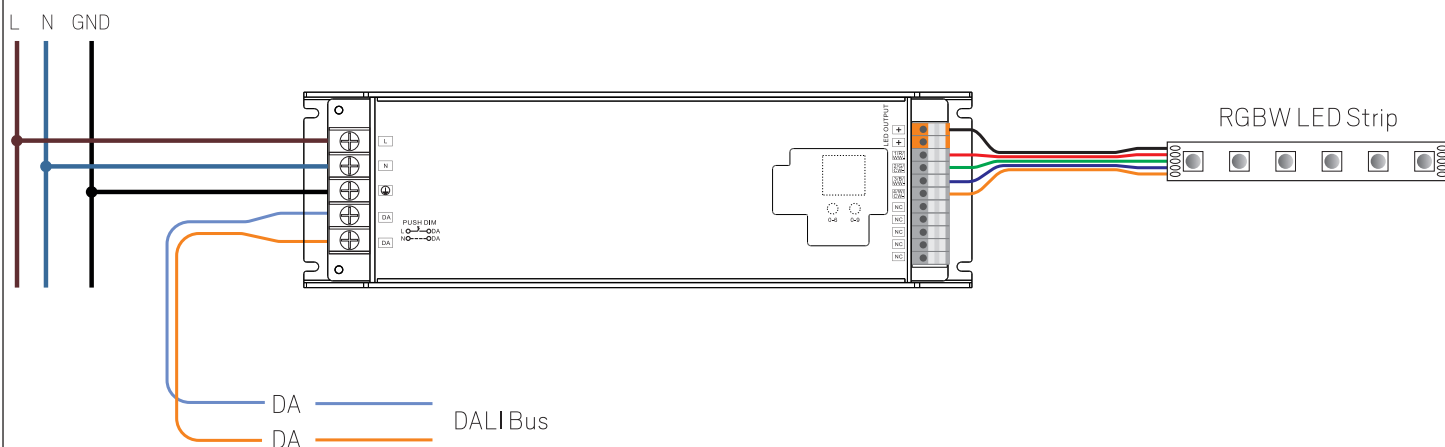
Note: Please make sure that the DALI master controller supports XY color type commands.

4. When **7C** single-address Tc device type selected



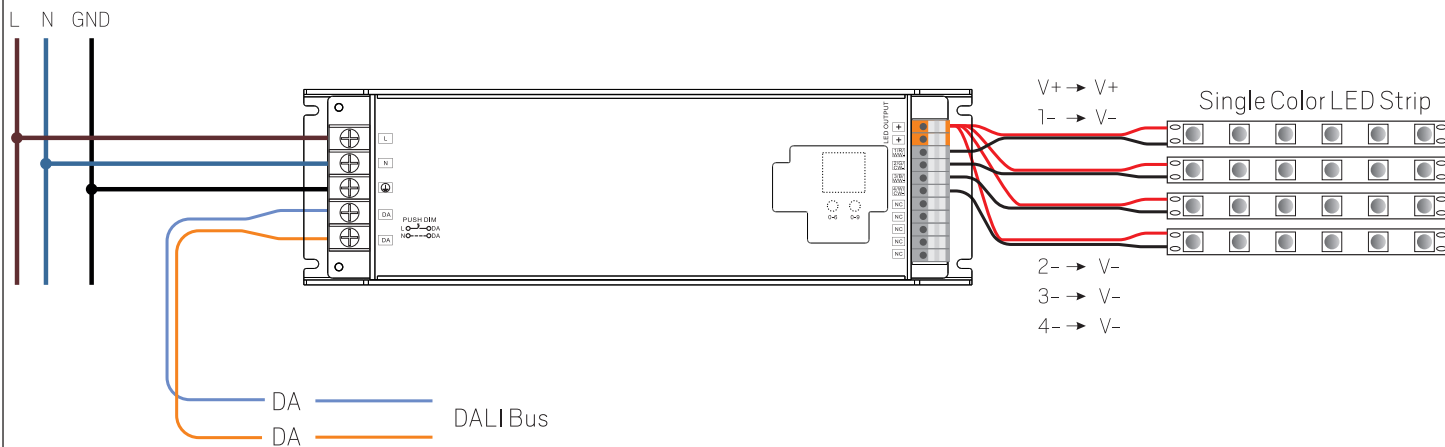
Note: 1) Please make sure that the DALI master controller supports Tc color type commands.
2) 2 groups CCT LED are controlled together.

5. When **r9** single-address RGBWAF device type selected



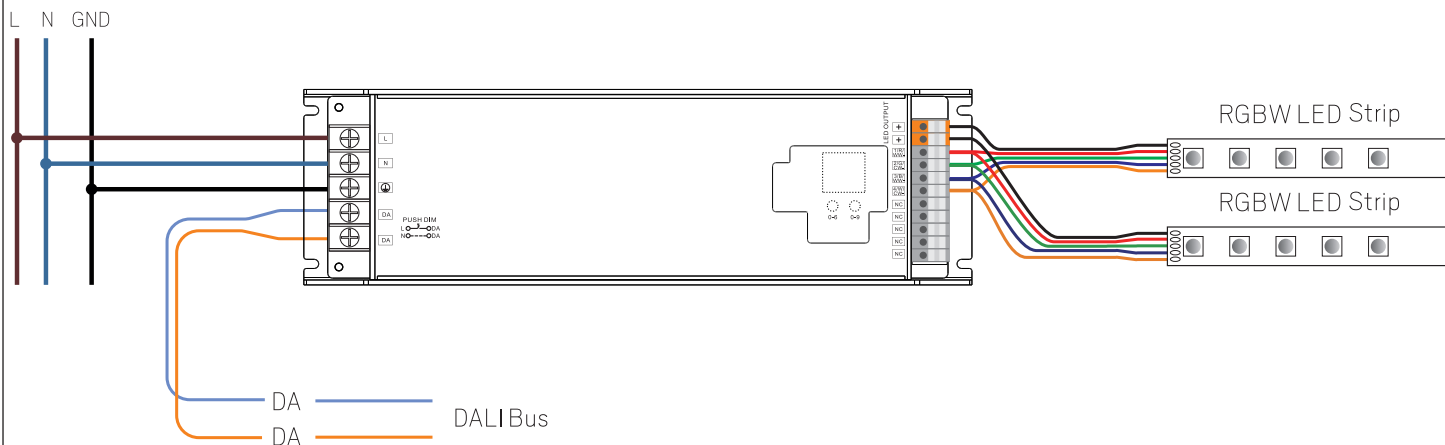
Note: Please make sure that the DALI master controller supports RGBWAF color type commands.

6. When 75 single-address DT6 device type selected



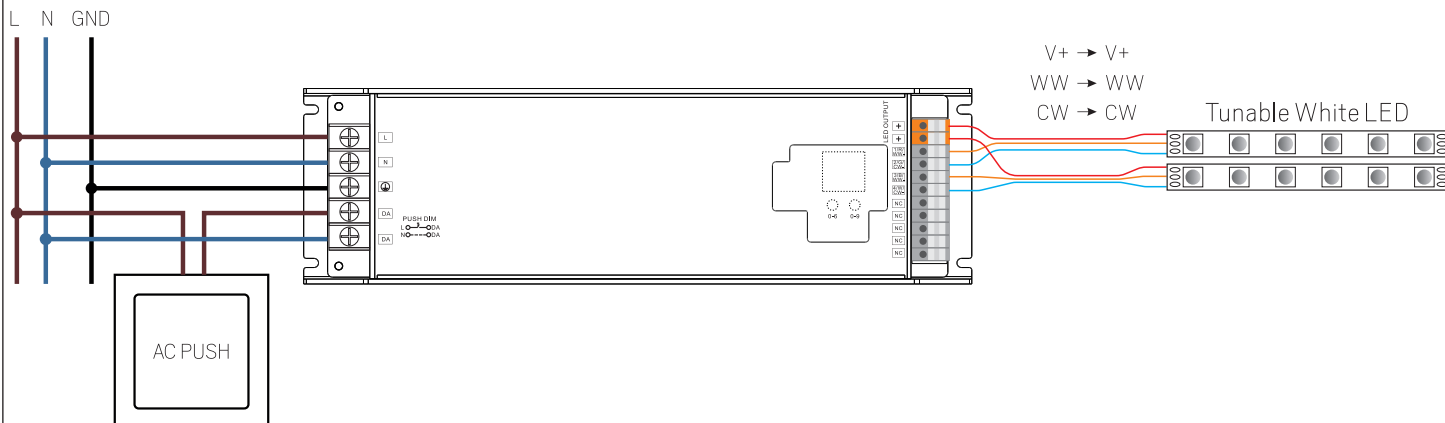
Note: The control gear will be discovered by DALI master as a DT6 device, 4 channels controlled together.

7. Connect two pcs of RGBW LED strips to use the full power(2x100W)



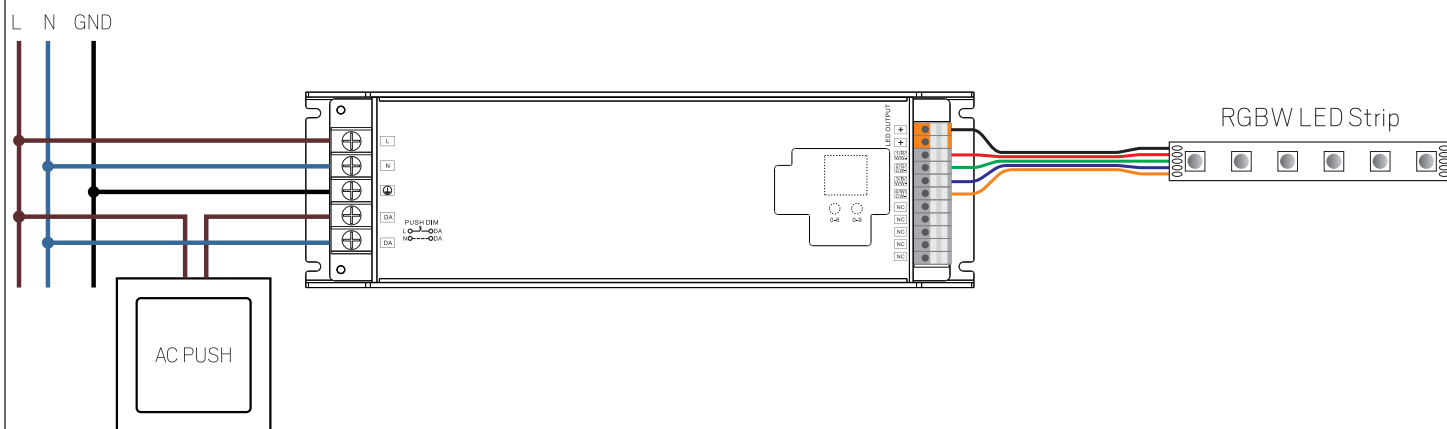
Wiring diagram - With AC Push

1. When 7C multi-addresses Tc device type selected



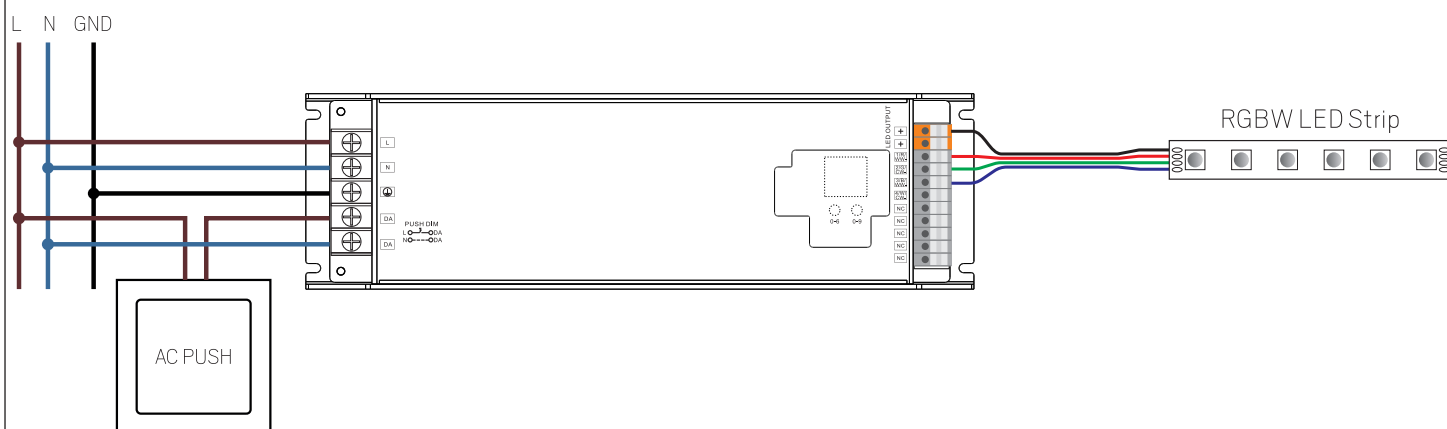
Note: only the 1st group CCT LED can be controlled under this mode.

2. When **H6** multi-addresses XY+Single Color(DT6) device type selected



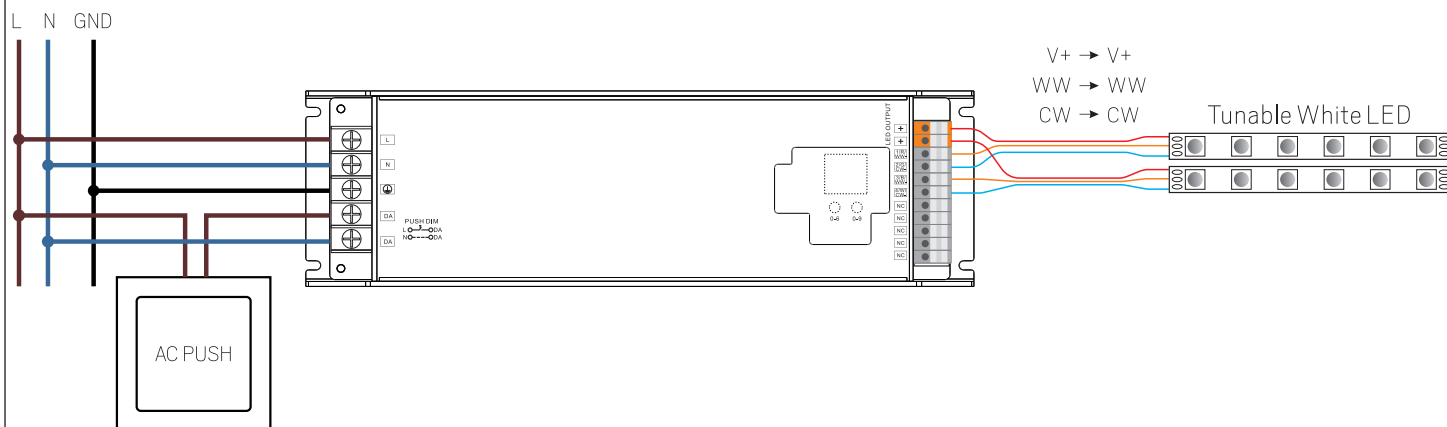
Note: 1) Please make sure that the DALI master controller supports XY & DT6 color type commands.
2) The control gear will be discovered by master controller as 2 separate devices: XY, DT6

3. When **H4** single-address XY device type selected



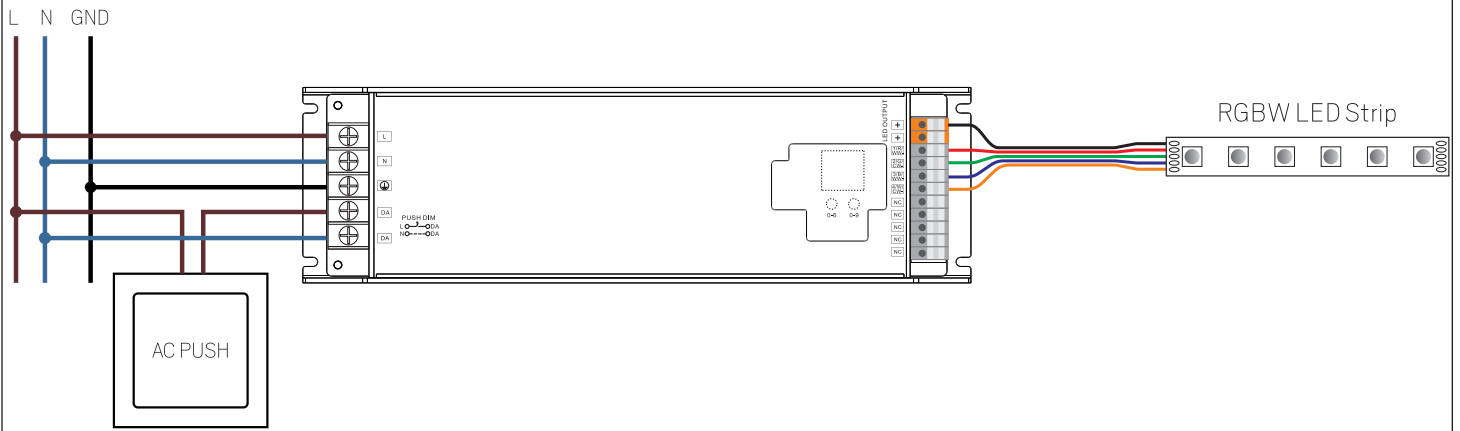
Note: Please make sure that the DALI master controller supports XY color type commands.

4. When **Tc** single-address Tc device type selected



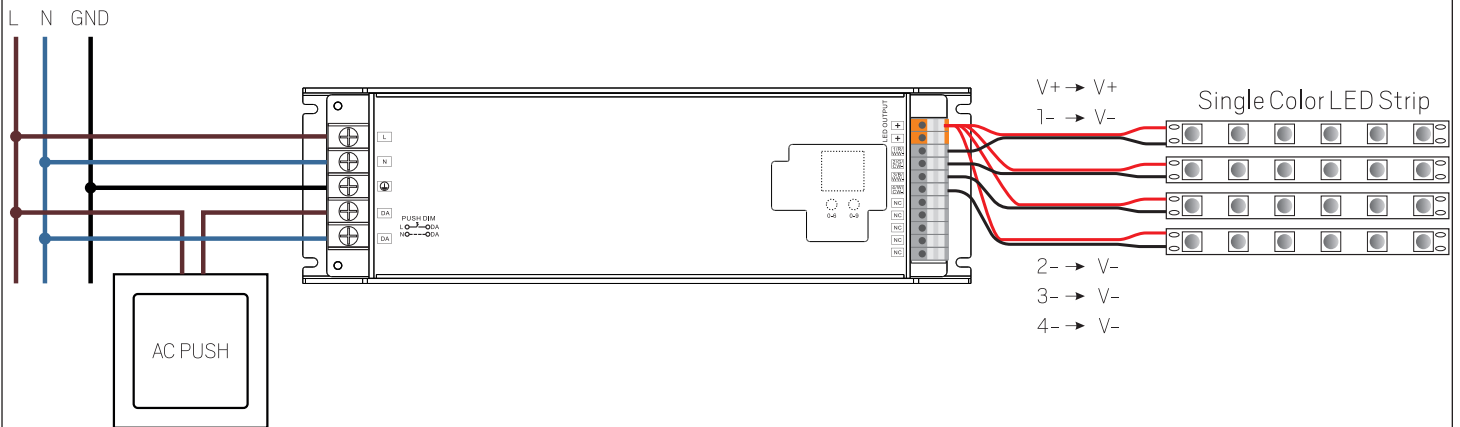
Note: 1) Please make sure that the DALI master controller supports Tc color type commands.
2) 2 groups CCT LED are controlled together.

5. When **r9** single-address RGBWAF device type selected



Note: Please make sure that the DALI master controller supports RGBWAF color type commands.

6. When **r6** single-address DT6 device type selected



Note: all 4 channels are controlled together under this mode.

7. Connect two pcs of RGBW LED strips to use the full power(2x100W)

