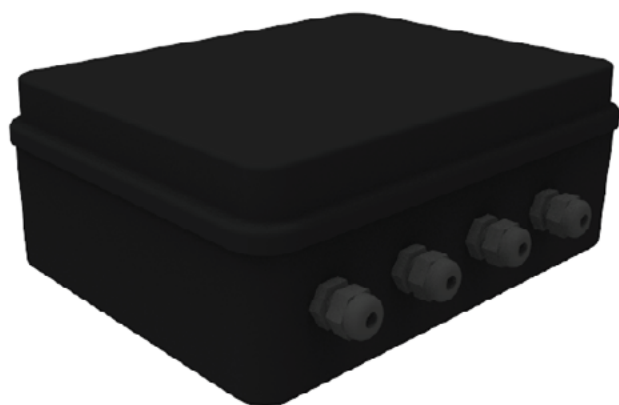




master & slave

G20

CONTROLLER

MANUALE D'INSTALLAZIONE
INSTALLATION AND USER MANUAL



AVVERTENZE GENERALI

L'installazione deve essere eseguita esclusivamente da personale qualificato. Prima di procedere con l'installazione verificare l'integrità del prodotto e la completezza dei componenti. Leggere attentamente il presente manuale prima di iniziare l'installazione. Verificare che le predisposizioni idrauliche siano conformi alle specifiche tecniche del prodotto. Il produttore non è responsabile per danni derivanti da installazioni non corrette o non conformi alle istruzioni. Prima del collegamento finale effettuare il lavaggio delle tubazioni per evitare residui nell'impianto.



GENERAL WARNINGS

Installation must be carried out only by qualified personnel. Before proceeding with the installation check that the product is not damaged and that all components are included. Carefully read this manual before starting the installation. Ensure that the hydraulic system complies with the product technical specifications. Shut off the water supply before carrying out any installation work. The manufacturer is not responsible for damage caused by incorrect installation or failure to follow these instructions. Before the final connection flush the water pipes to remove any debris from the system.

Si riserva il diritto legale di apportare eventuali modifiche ai propri prodotti senza preavviso né sostituzione.

Reserves the legal right to introduce any possible modifications in any of its products without previous notice or replacement.

Se réserve le droit légal de modifier ou de supprimer ses produits sans préavis.

Vorbehält sich das Recht zur eventuellen Abänderungen oder Ergänzungen a seinen Produkten vor.

Se reserva el derecho legal de aportar posibles modificaciones a sus productos sin previo aviso ni sustitución.

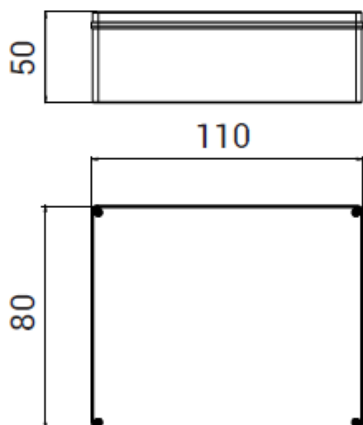
IT**PULIZIA E MANUTENZIONE**

Verificare che l'impianto elettrico sia conforme alle specifiche tecniche del prodotto.
Assicurarsi che la tensione di alimentazione corrisponda a quella indicata nelle specifiche tecniche.
Predisporre uno spazio adeguato per l'alloggiamento della centralina o dell'interfaccia, facilmente accessibile per eventuali interventi di manutenzione.
Verificare che l'area di installazione sia protetta da infiltrazioni d'acqua e umidità eccessiva.
Prima di effettuare qualsiasi collegamento disattivare l'alimentazione elettrica dell'impianto.
Tutti i collegamenti elettrici devono essere eseguiti da personale qualificato nel rispetto delle normative vigenti.

EN**CLEANING AND MAINTENANCE**

Ensure that the electrical system complies with the product technical specifications.
Make sure that the power supply voltage matches the value indicated in the technical specifications.
Provide adequate space for installing the control unit or interface, allowing easy access for maintenance.
Ensure that the installation area is protected from water infiltration and excessive humidity.
Before performing any connection disconnect the power supply.
All electrical connections must be carried out by qualified personnel in compliance with local regulations.

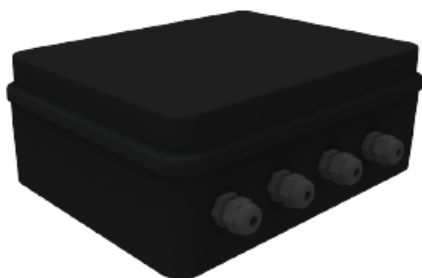
Disegno tecnico / Technical drawing



Controller per soffioni multifunzione e monogetto con cromoterapia, predisposto per l'attivazione temporizzabile di un singolo getto di acqua e luce (a scelta tra 5, 30, 60, 120 secondi), possibilità di abbinare aromaterapia. Colorazioni led impostabili: rosso, verde, blu, giallo, ciano, magenta, dissolvenza sui 16 colori e stand by luce bianca.

Controller for multifunction and monojet showerheads with chromotherapy, designed for the temporized activation of a single jet of water and light (to choose between 5, 30, 60, 120 seconds), with the possibility to combine aromatherapy. Available colors red, green, blue, yellow, cyan, magenta, fading on 16 colors and stand by white light. Complete with backlit chromed push button (colors to choose between white, blue, red) and single wired 12V EV.

In dotazione / Supplied



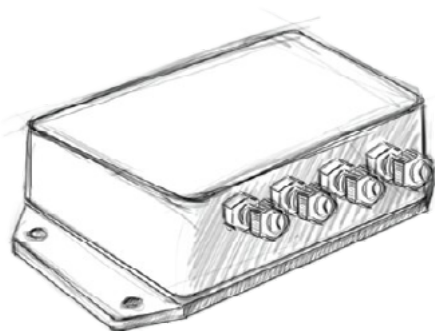
x1 controller G20



cavo per connessione seriale (30cm)
serial connection cable (30 cm)

CARATTERISTICHE ELETTRICHE / ELECTRICAL SPECIFICATIONS

Parametro (IT)	Valore	Parameter (EN)
Tensione di alimentazione	12Vcc +/- 3%	Feed voltage
Assorbimento massimo	1,6 A	Maximum input
Servizio di funzionamento	Continuo	Functioning
Temperatura ambiente di funzionamento	da 0 a +40°C	Room temperature for functioning
Umidità relativa senza condensa	5% a 90%	Relative humidity without condensation
Tensione di alimentazione luci LED	12V	LED lights power supply voltage



SISTEMA COMPONENTE MASTER/SLAVE REQUISITI FUNZIONALI:

Comando MASTER:

premendo il pulsante si attiva il seguente ciclo:

- accensione LED di colore predeterminato
- apertura elettrovalvola per alimentazione acqua
- azionamento diffusore aromaterapia
- fine ciclo sul tempo predeterminato

Possibilità di impostare in standby luce led spenta o accesa con luce bianca.

Comandi Slave aggiuntivi in serie:

- collegano ulteriori pulsanti di ciclo
- collegano ulteriori elettrovalvole di alimentazione acqua
- possibilità di ulteriori diffusori per aromaterapia
- ulteriore controllo per luci led (collegate a comando Master) con colore predeterminato.

Ogni comando va impostato per:

- tempo ciclo
- colore led predeterminato
- numero posizione nella serie (Master - Slave intermedio - Slave terminale)
- azionamento diffusore aromaterapia
- standby: led spenti / luce bianca (solo Master)

MODULAR MASTER/SLAVE SYSTEM FUNCTIONAL REQUIREMENTS:

MASTER controller:

press the push button to start the following cycle:

- lighting up of the LED preset colours
- opening of the solenoid valve for the water supply
- activation of the aromatherapy diffuser
- cycle end at preset time

Possibility of setting the standby of the white LED light whether turned on or off.

Additional Slave series controllers:

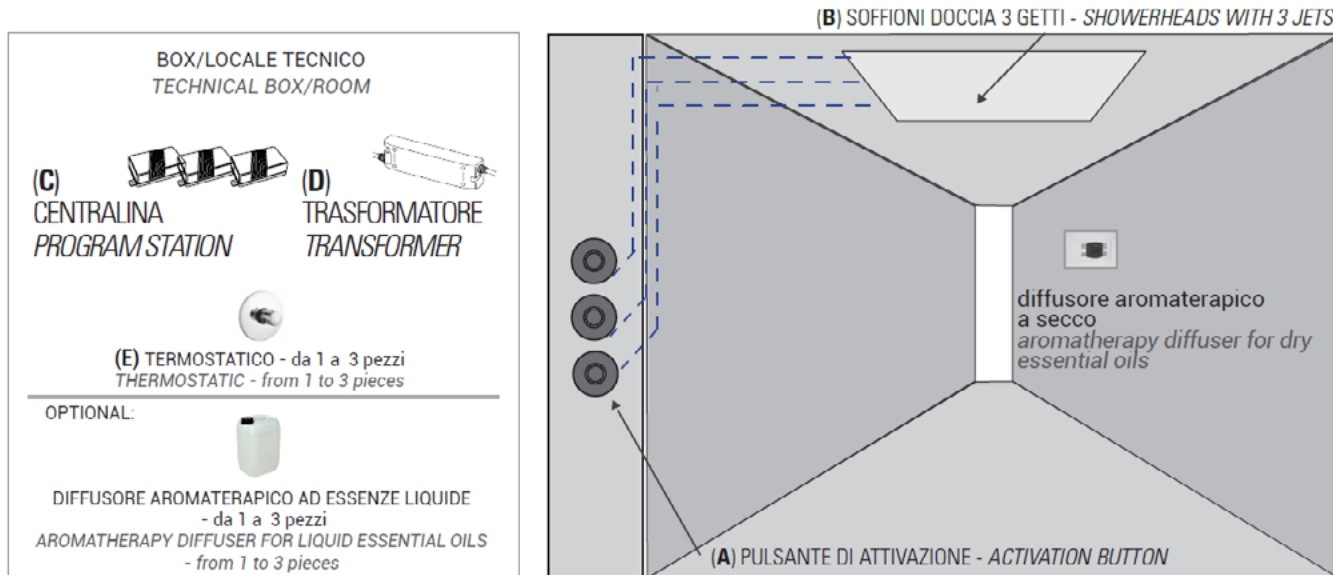
- connect additional cycle push buttons
- connect additional solenoid valves for water supply
- option for additional aromatherapy diffusers
- additional controller for LED lights (connected to the Master controller) with preset colour.

Each controller will have the following preset functions:

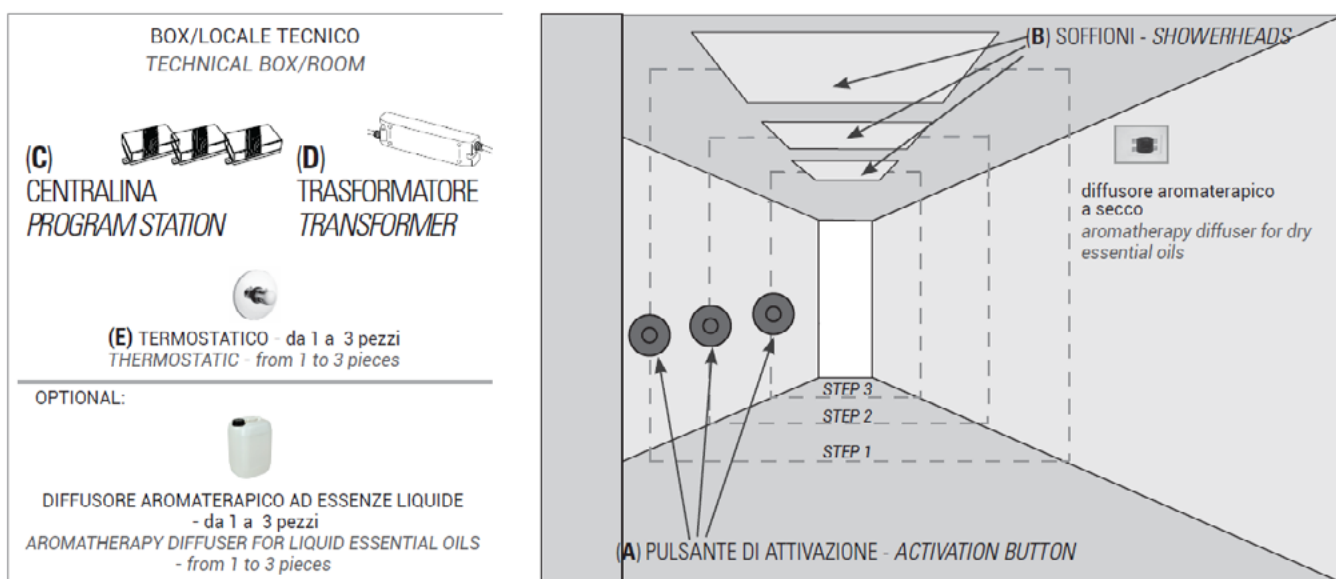
- cycle time
- preset LED colour
- position number in the series (intermediate Master - Slave - terminal Slave)
- activation of aromatherapy diffuser
- standby: LEDs turned off / white light (Master controller only)

ESEMPI DI INSTALLAZIONE / EXAMPLES OF INSTALLATION

Doccia emozionale / Emotional shower



Water paradise free



(A) Pulsante di attivazione - White backlit activation button

(B) Soffioni doccia - Showerheads

(C) Centralina elettronica da posizionare in ambiente asciutto esterno al vano doccia

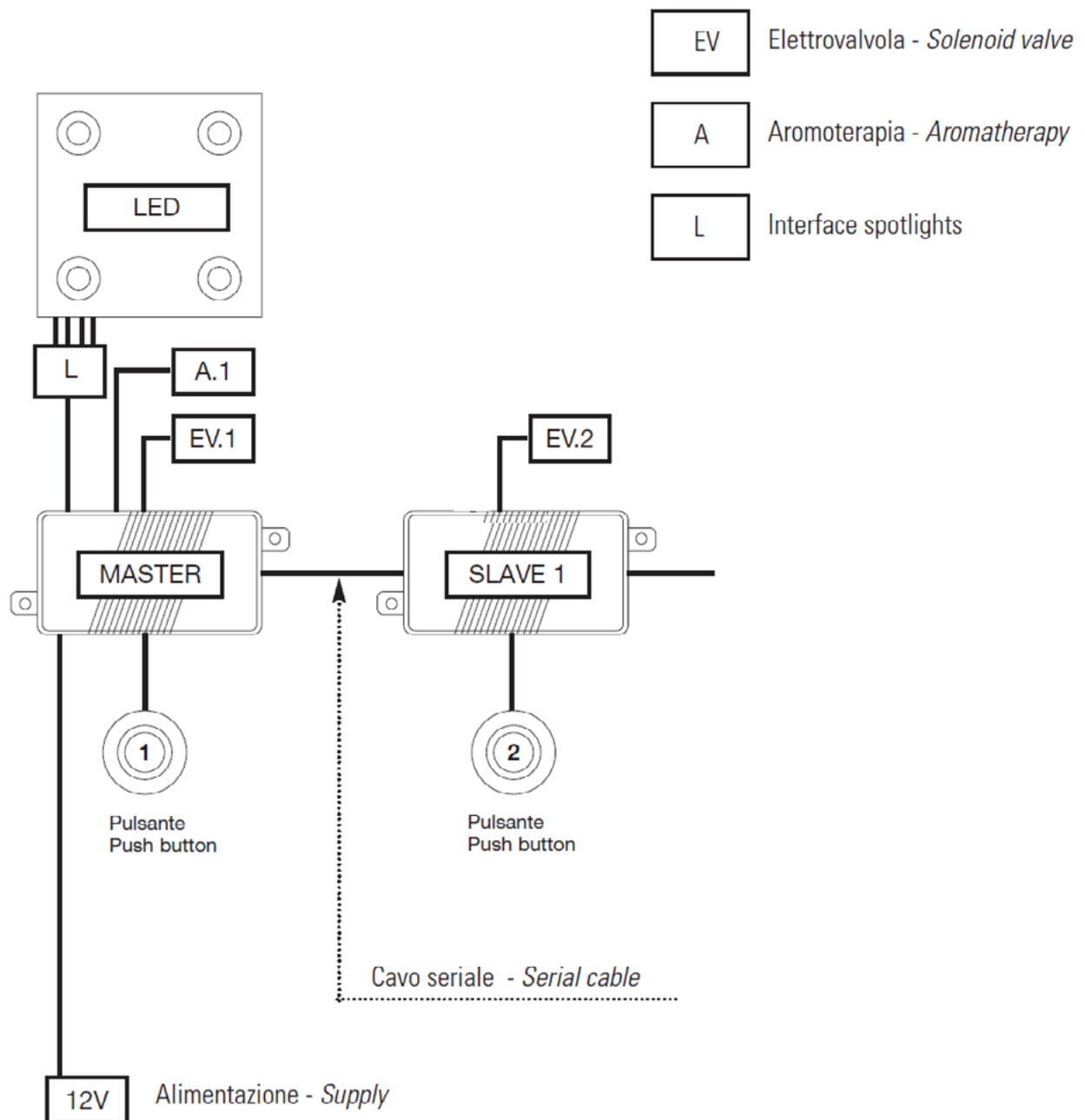
ispezionabile - Electronic control unit to be positioned in a dry environment outside the inspectable shower compartment

(D) Trasformatore - Transformer

(E) Termostatico - Thermostatic (cod.A128C)

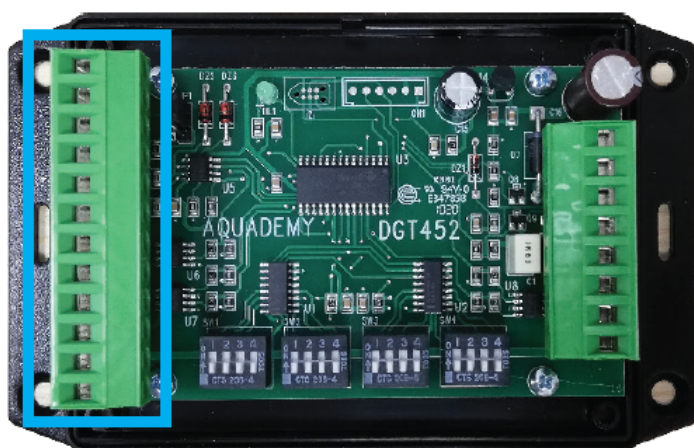
COLLEGAMENTI ELETTRICI / ELECTRICAL CONNECTIONS

Schema sistema MASTER/SLEVE / MASTER/SLAVE circuit diagram

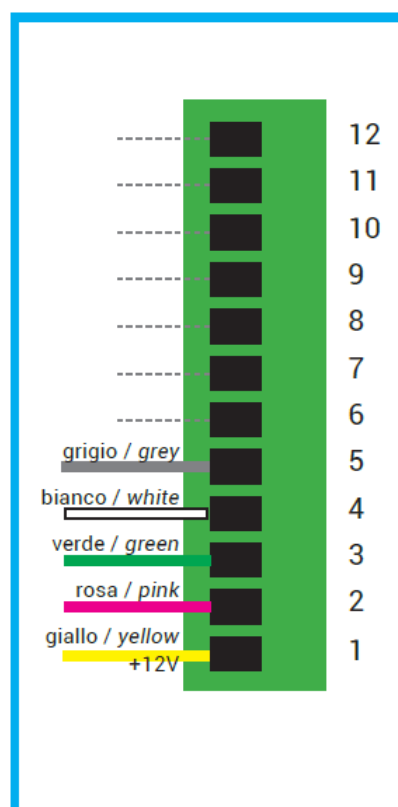


COLLEGAMENTI ELETTRICI / ELECTRICAL CONNECTIONS

Cavo faretti LED / LED spotlight cable

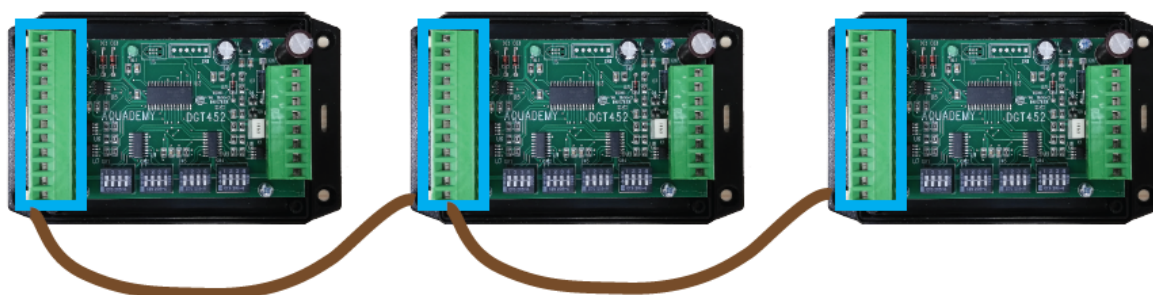


CAVO FARETTI LED CABLE LED SPOTLIGHTS

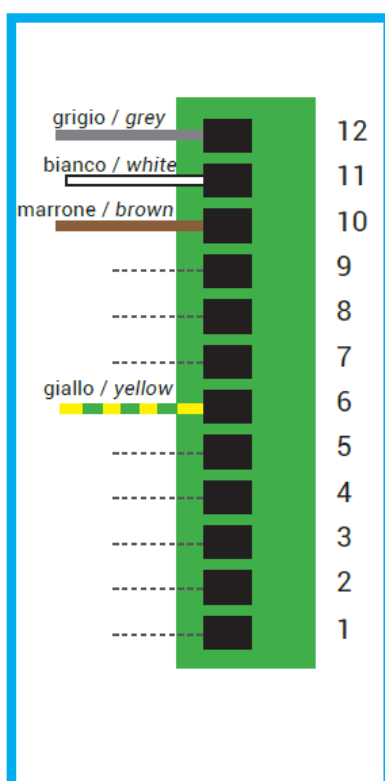
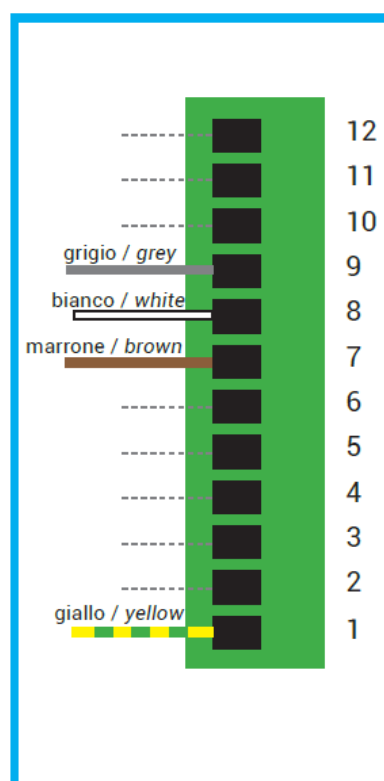


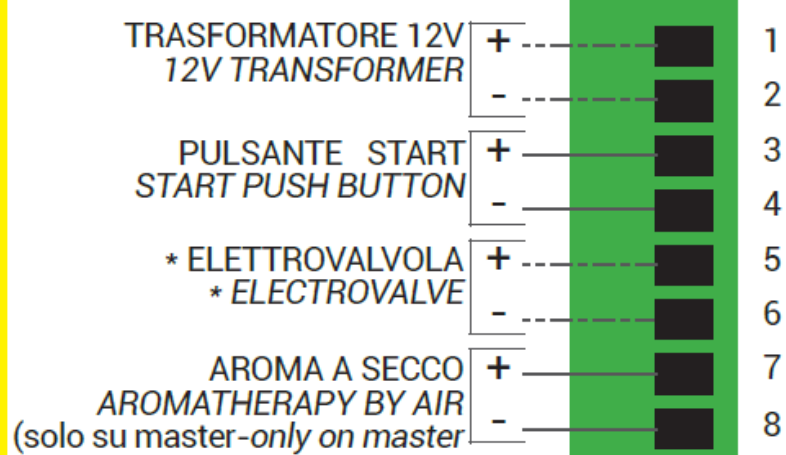
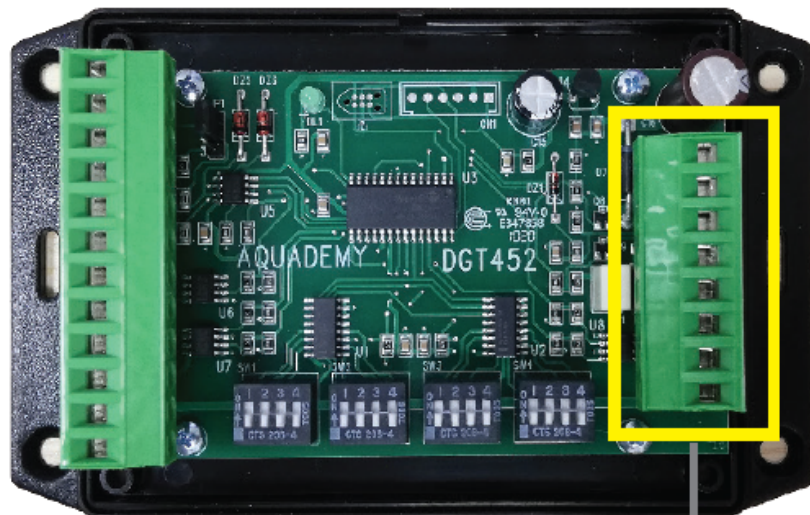
COLLEGAMENTI ELETTRICI / ELECTRICAL CONNECTIONS

Cavo per connessione seriale / Cable for serial connection



Cavo in dotazione- Supplied cable

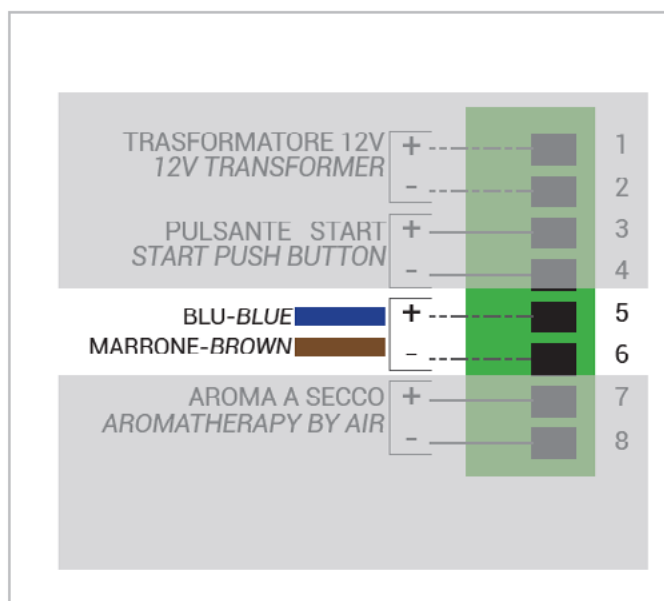
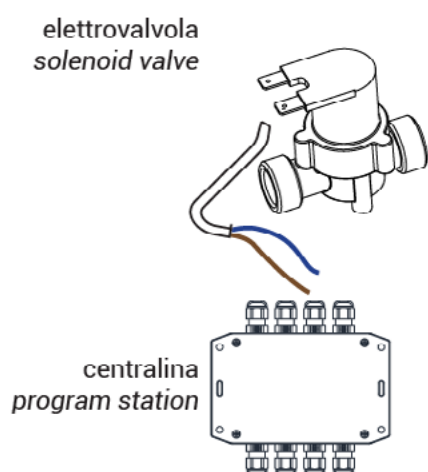
SERIALE IN
SERIAL INSERIALE OUT
SERIAL OUT



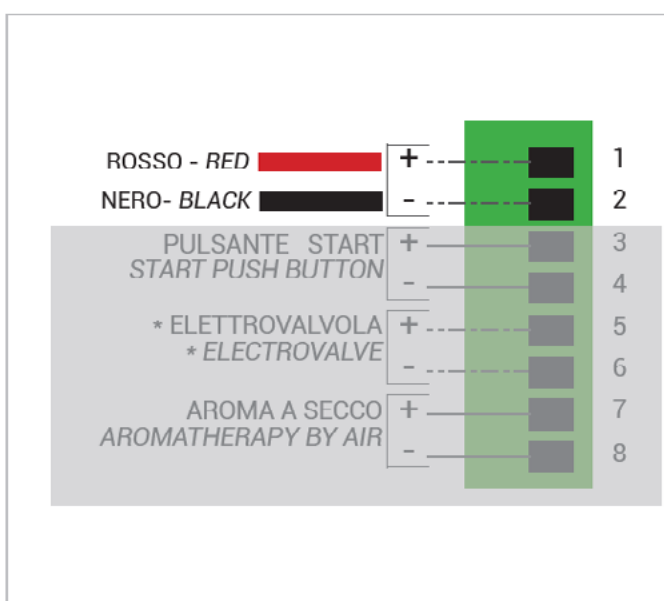
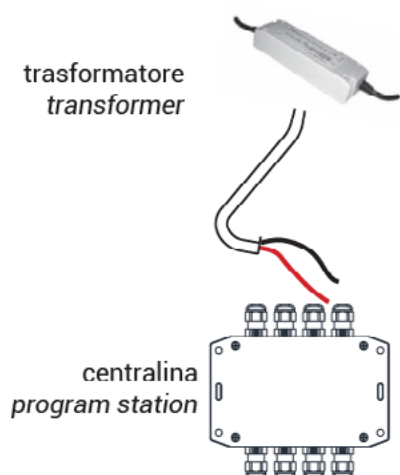
*EV - AROMA LIQUIDA
EV - AROMATHERAPY BY WATER

COLLEGAMENTI ELETTRICI / ELECTRICAL CONNECTIONS

Cavo elettrovalvola / Connection of solenoid valve cable

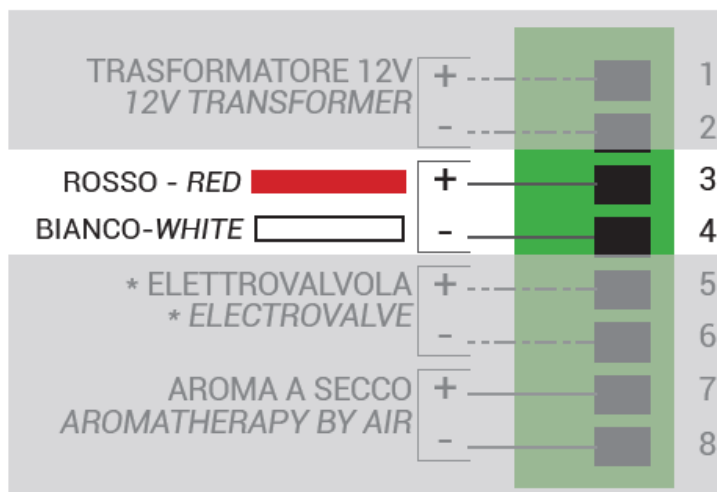
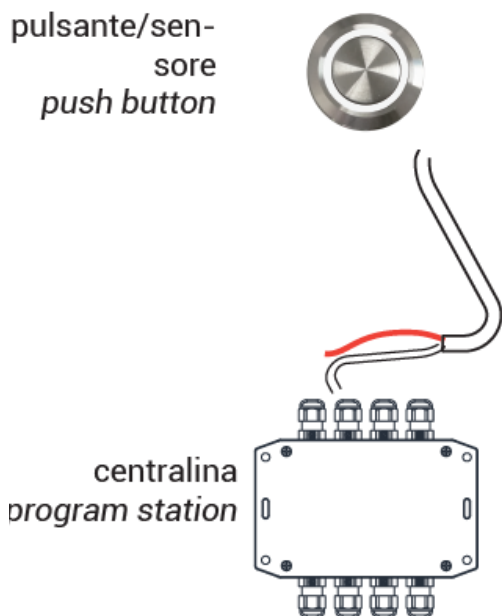


Cavo trasformatore / Transformer cable

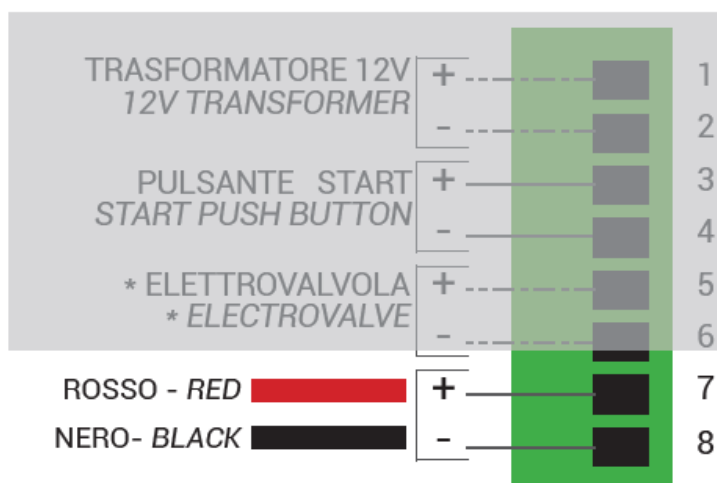
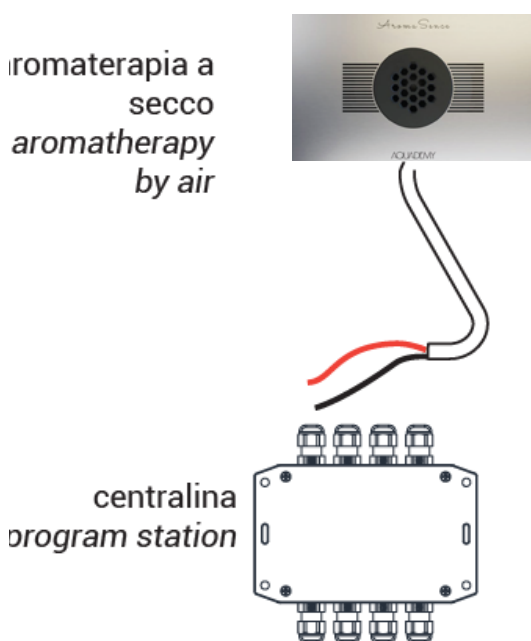


COLLEGAMENTI ELETTRICI / ELECTRICAL CONNECTIONS

Cavo pulsante / Connection of push button cable

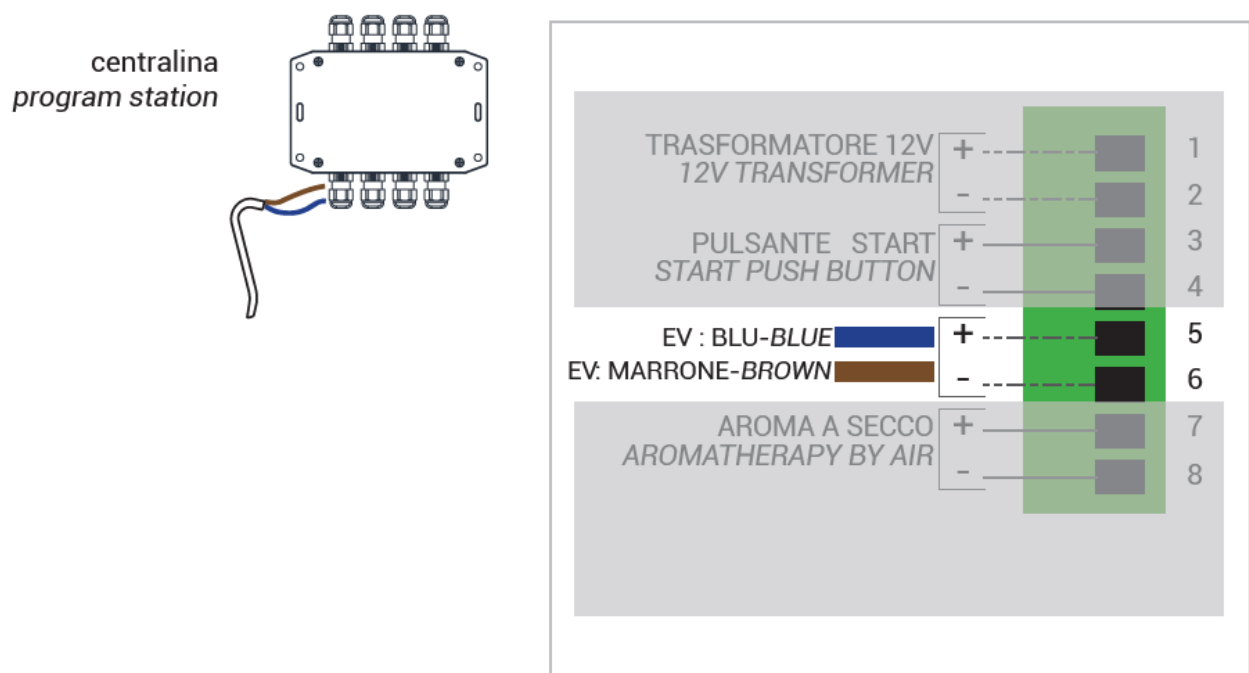


Cavo aromaterapia a secco (solo su master) / Dry aromatherapy cable (only on master)

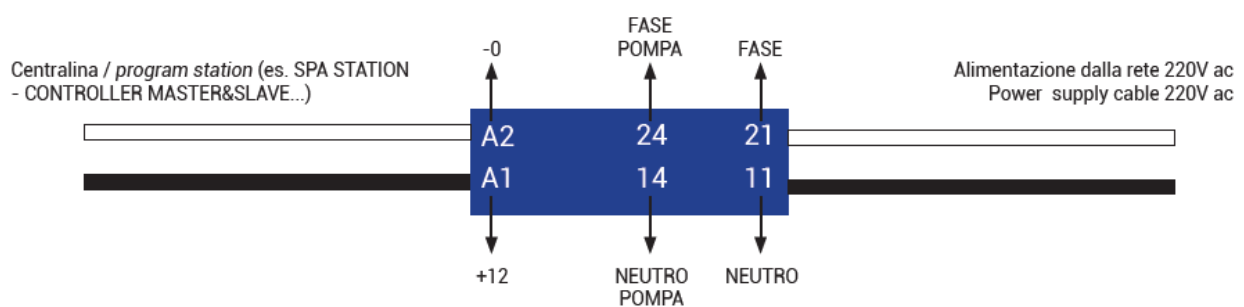


COLLEGAMENTI ELETTRICI / ELECTRICAL CONNECTIONS

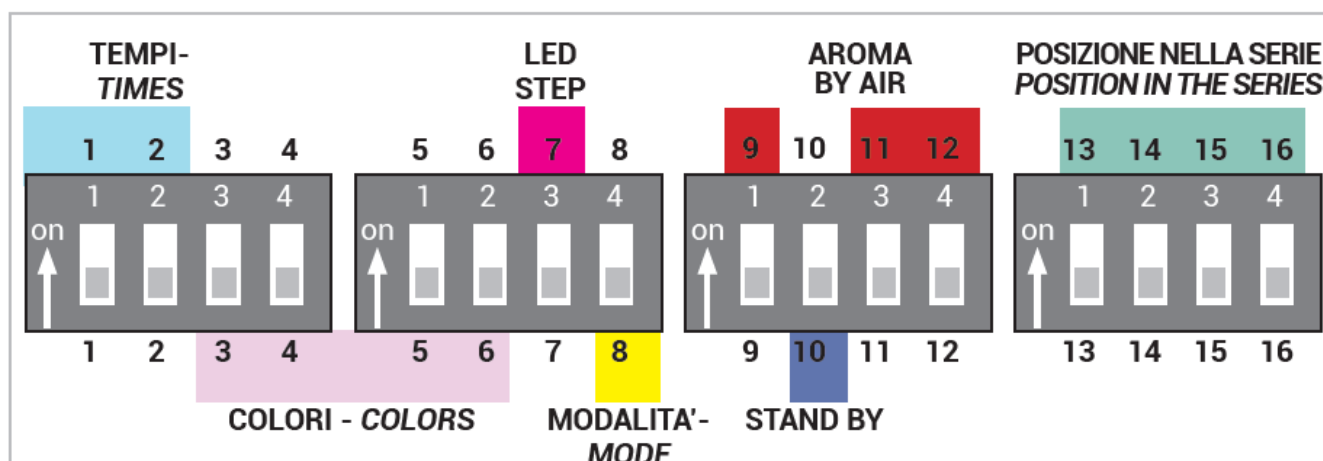
Cavo aromaterapia liquida / Aromatherapy by watercable



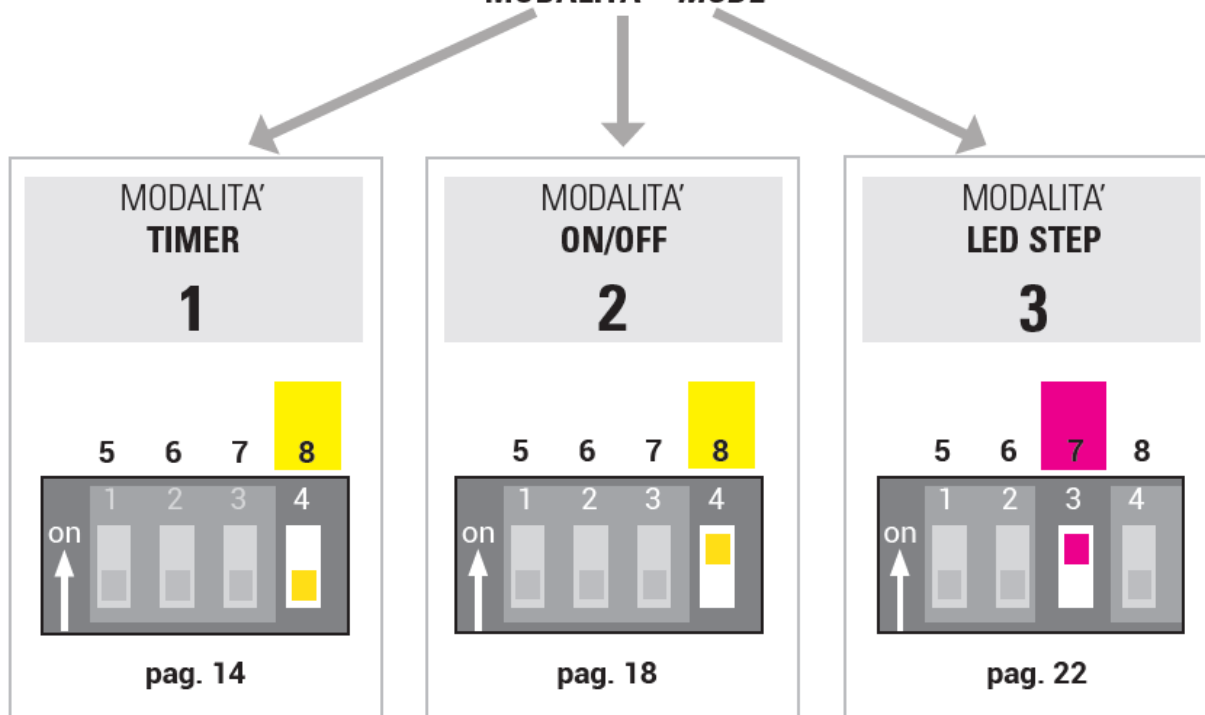
Specifiche relè / relè specifications



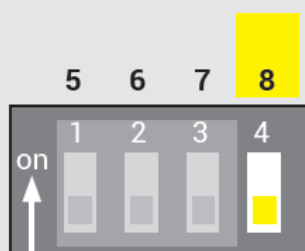
PROGRAMMAZIONE / PROGRAMMING



MODALITÀ' - MODE



1 - MODALITA' **TIMER** - *MODE TIMER*



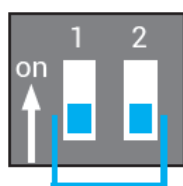
MODALITA' **TIMER**

Alla pressione del pulsante la scheda aprirà l'elettrovalvola ed attiverà i led con il colore selezionato per la durata di tempo impostata tramite Dip-switch 1 e 2. Durante il funzionamento il led del pulsante lampeggerà.

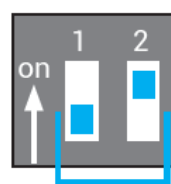
When the push-button is pressed, the electronic board will open the solenoid valve and it will activate the leds with the pre-selected color for a pre-set time through Dip-switches 1 and 2.

When it's functioning the LED button will flash.

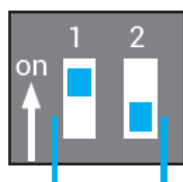
TIMER ELETTROVALVOLA / SOLENOID VALVE TIMER



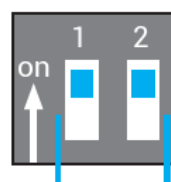
DIP-SWITCH 1 e 2 su **OFF**
= **5 secondi - 5 seconds**



DIP-SWITCH 1 su **OFF** e
DIP-SWITCH 2 su **ON**
= **60 secondi - 60 seconds**

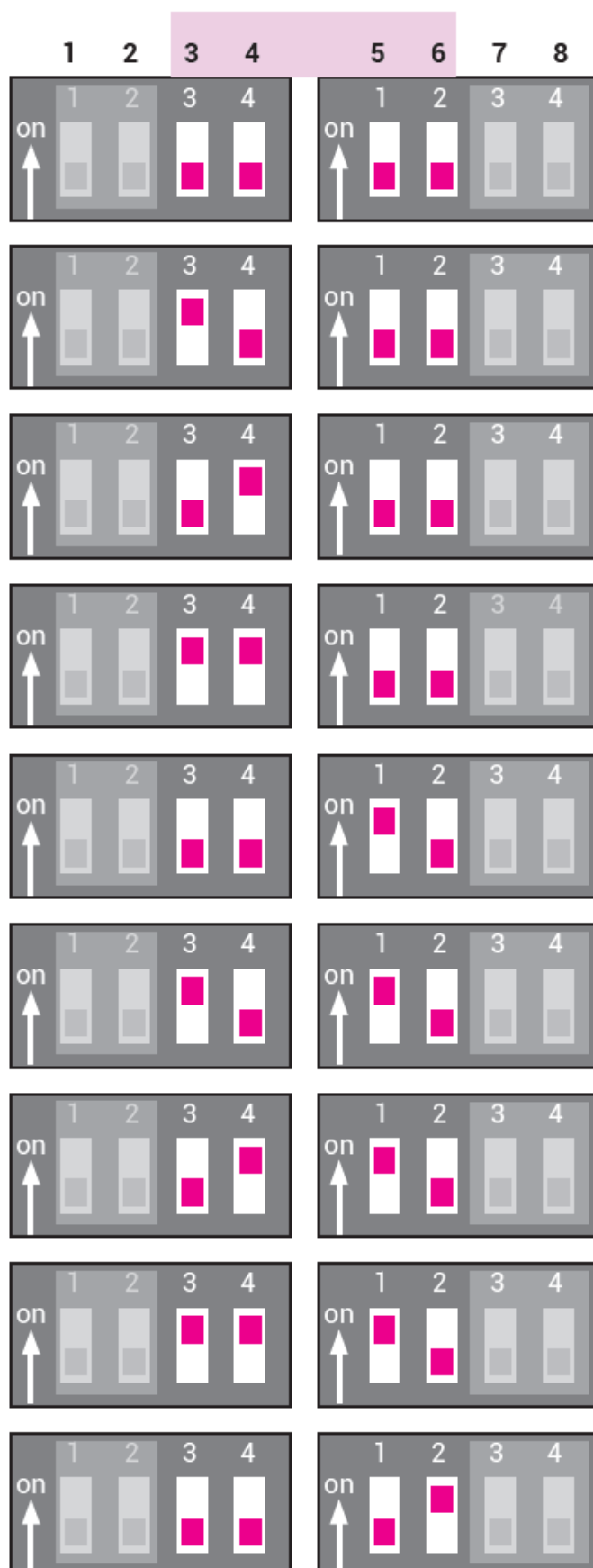


DIP-SWITCH 1 su **ON** e
DIP-SWITCH 2 su **OFF**
= **30 secondi - 30 seconds**

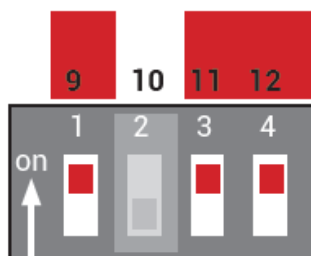


DIP-SWITCH 1 e 2 su **ON**
= **120 secondi - 120seconds**

COLORI / COLORS

**ROSSO - RED****VERDE - GREEN****BLU - BLUE****AZZURRO - LIGHT BLUE****MAGENTA - MAGENTA****GIALLO - YELLOW****BIANCO - WHITE****RANDOM****(ciclo con cambio netto di colore -
cycle with nett color change)****RAINBOW****(ciclo con cambio sfumato colore -
cycle with faded color change)**

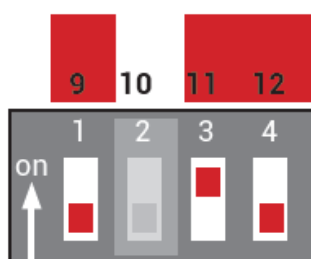
Aromaterapia a secco / Aromatherapy by air



AROMA BY AIR ATTIVA

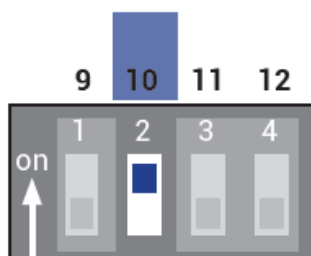
DIP-SWITCH 11 e 12 su **ON**

= Lo slave utilizzerà i led e la ventola connessi al master durante il funzionamento - *The Slave will only use leds and fan connected to the master during the functioning*

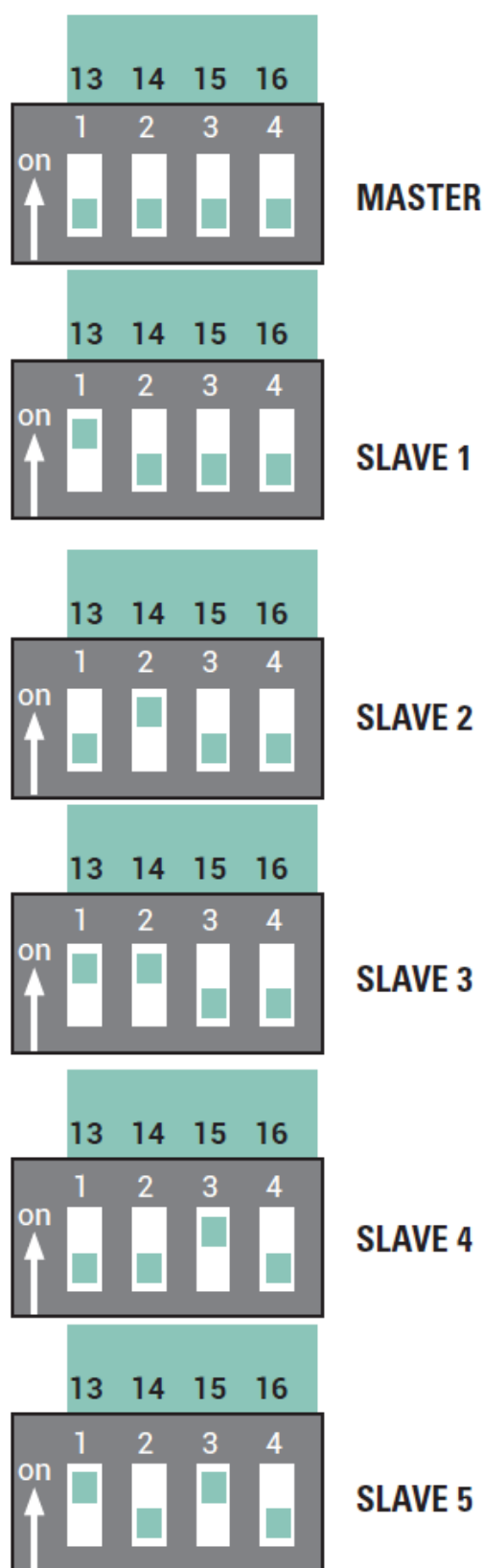


AROMA BY AIR SPENTO - AROMA BY AIR SWITCHED OFF

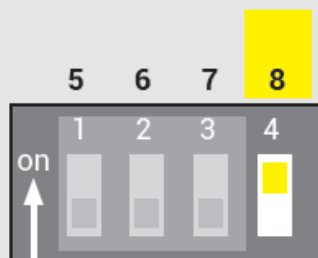
Stand by luce bianca (solo su master) / Stand by white led (only in the master)



STAND BY LUCE BIANCA ATTIVO - STAND BY LUCE BIANCA SWITCHED ON

Posizione nella serie / Location in the series

2 - MODALITA' ON/OFF - *MODE ON/OFF*

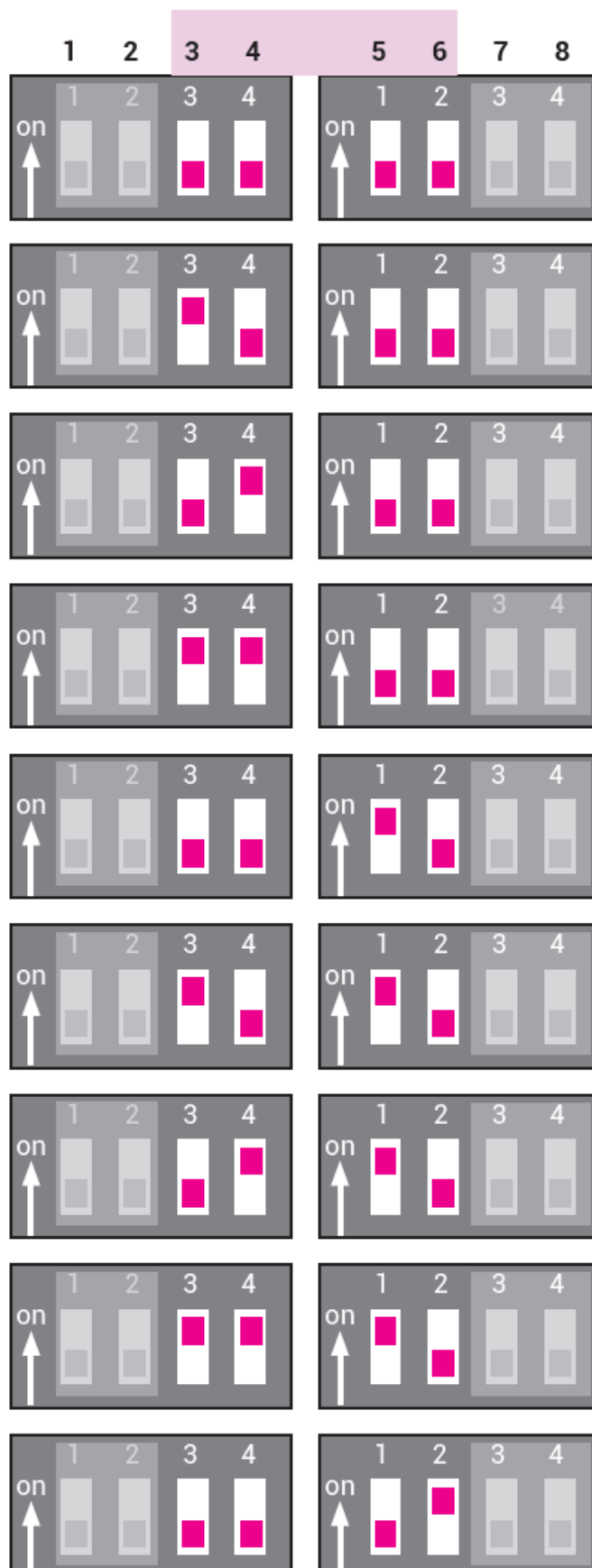


MODALITA' ON/OFF

La scheda aprirà l'elettrovalvola ed accenderà i led alla pressione del pulsante, mentre durante il funzionamento il led del pulsante lampeggerà. Alla pressione successiva del pulsante l'elettrovalvola verrà chiusa ed i led verranno spenti, mentre il led del pulsante resterà acceso. Se una volta aperta l'elettrovalvola non viene ripremuto il pulsante, l'elettrovalvola si chiuderà da sola dopo 5 minuti.

At the pressure of the push button the electronic board will open the solenoid valve and will turn on the LEDs, while in operation the led of the push-button will flash. On next press of the button the solenoid valve will be closed and the LEDs will be switched off, while the led of the button will remain on. If once the solenoid valve is opened, the push-button is not pressed again, the solenoid valve will close by itself after 5 minutes.

COLORI / COLORS

**ROSSO - RED****VERDE - GREEN**

BLU - BLUE

AZZURRO - LIGHT BLUE

MAGENTA - MAGENTA

GIALLO - YELLOW

BIANCO - WHITE

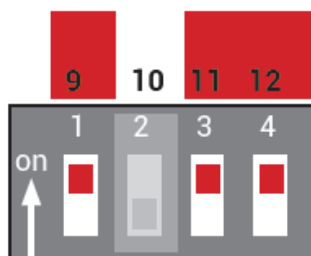
RANDOM

(ciclo con cambio netto di colore -
cycle with nett color change)

RAINBOW

**(ciclo con cambio sfumato colore -
cycle with faded color change)**

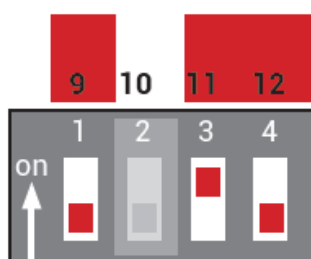
Aromaterapia a secco / Aromatherapy by air



AROMA BY AIR ATTIVA

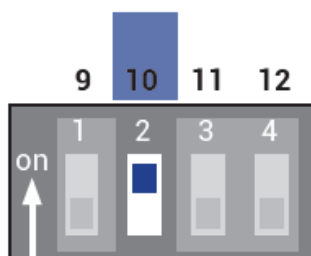
DIP-SWITCH 11 e 12 su **ON**

= Lo slave utilizzerà i led e la ventola connessi al master durante il funzionamento - *The Slave will only use leds and fan connected to the master during the functioning*

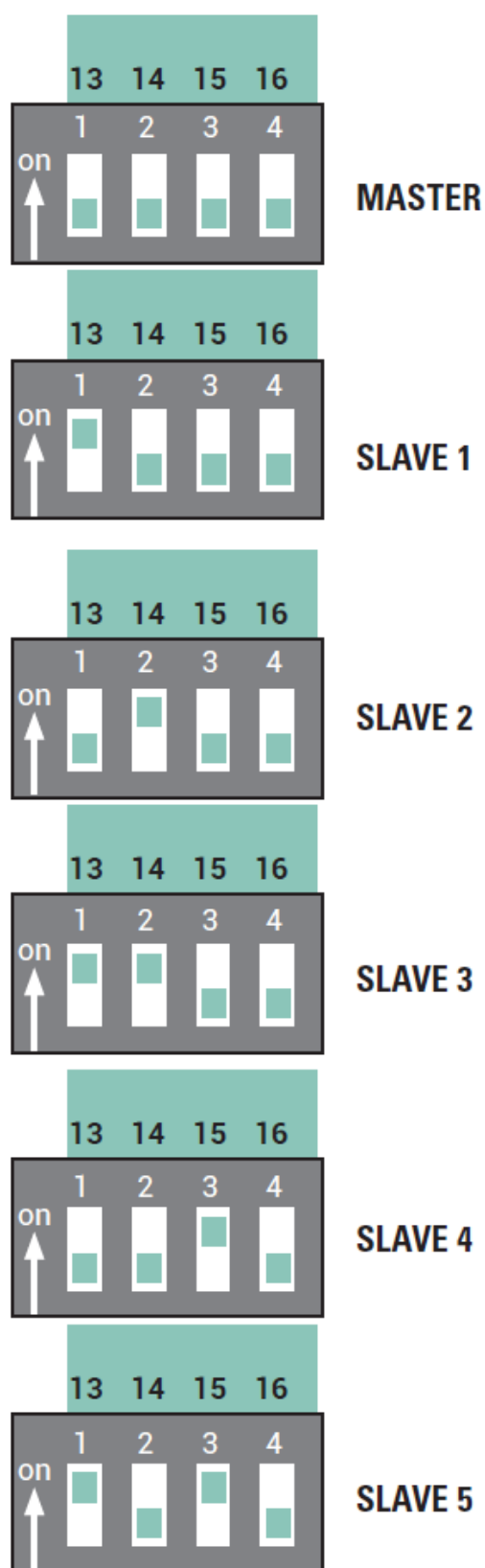


AROMA BY AIR SPENTO - AROMA BY AIR SWITCHED OFF

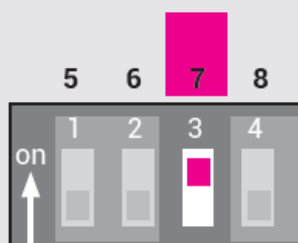
Stand by luce bianca (solo su master) / Stand by white led (only in the master)



STAND BY LUCE BIANCA ATTIVO - STAND BY LUCE BIANCA SWITCHED ON

Posizione nella serie / Location in the series

3 - MODALITA' LED STEP - *MODE LED STEP*



MODALITA' CAMBIO COLORI MANUALE

Alla pressione del pulsante si attiva l'elettrovalvola e si accende il colore ROSSO.

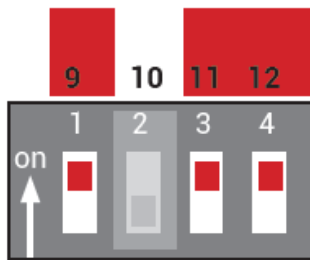
Ad ogni pressione del tasto viene cambiato il colore scorrendo ciclicamente tra ROSSO – VERDE – BLU – AZZURRO – MAGENTA – GIALLO – BIANCO.

Se si tiene premuto il tasto per più di 3 secondi i led si spengono e l'elettrovalvola si chiude.

At the pressure of the push-button, the electrovalve will open and switches on the RED color. For every pressure of the button the color will change respectively: RED-GREEN-BLUE-LIGHT BLUE-MAGENTA-YELLOW-WHITE. If the push button is pressed more than 3 seconds the LEDs will switch off and the solenoid valve will close.

DIP-SWITCH 7 su **ON** = **modalità colori manuali attiva - manual color mode active**

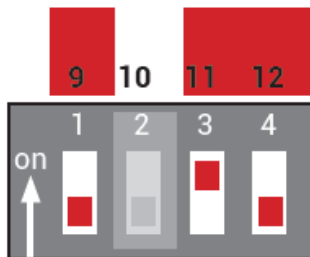
Aromaterapia a secco / Aromatherapy by air



AROMA BY AIR ATTIVA

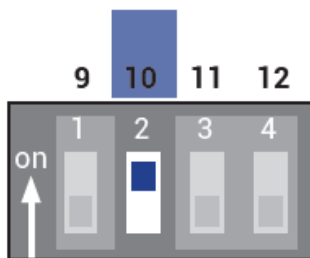
DIP-SWITCH 11 e 12 su **ON**

= Lo slave utilizzerà i led e la ventola connessi al master durante il funzionamento - *The Slave will only use leds and fan connected to the master during the functioning*

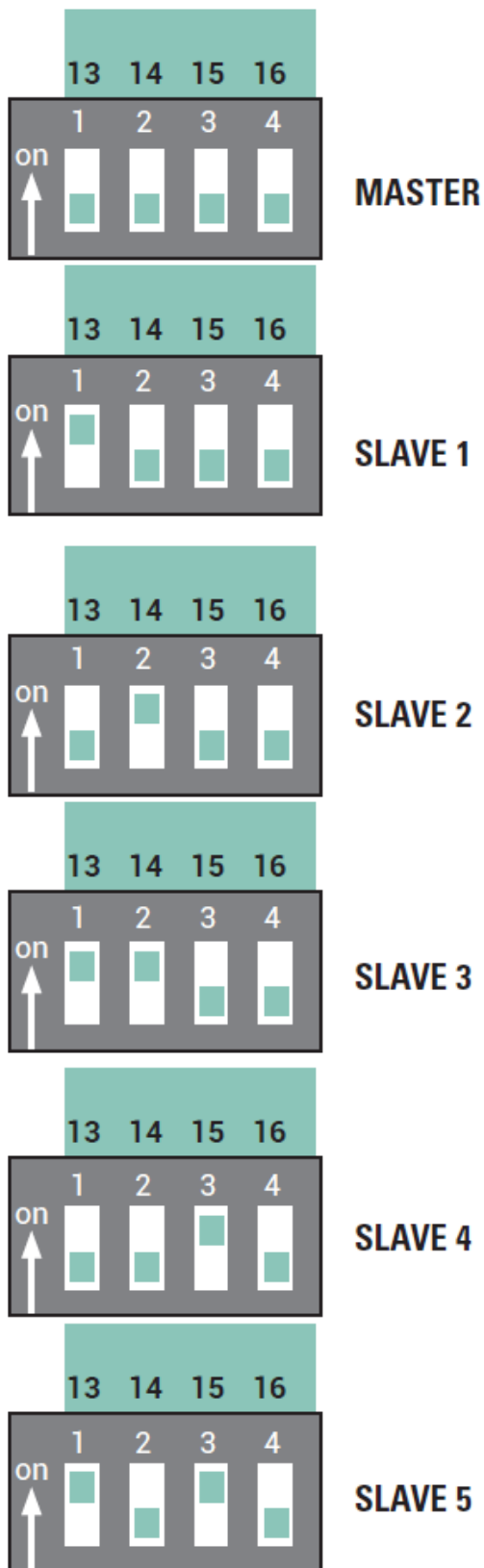


AROMA BY AIR SPENTO - AROMA BY AIR SWITCHED OFF

Stand by luce bianca (solo su master) / Stand by white led (only in the master)



STAND BY LUCE BIANCA ATTIVO - STAND BY LUCE BIANCA SWITCHED ON

Posizione nella serie / Location in the series



Intercontact S.r.l.
Via Diaz, 30/1
25124 Brescia (BS) - Italy

Tel. +39 0365 1904273
info@aquademy.eu

www.aquademy.eu