

CAC3
COLOR ASSESS CABINET

OPERATING AND SERVICE MANUAL



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User's Manual

Color Assess Cabinet

Version Phoenix 1.0 _ 01-01-2019

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If you require additional copies of this manual or further technical information about it, please write to:

Phoenix Mixer India Pvt. Ltd.
Plot No 7, Collage Road, Vadkun,
Dahanu Road- 401602
Dist: Palghar, Maharashtra
INDIA
Phone: + 91-2528 221120/223324
www.phoenixmixer.com

An ISO 9001:2015 Certified Company

Printed in India

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1. SAFETY INSTRUCTIONS

- **Read safety instruction carefully and follow them for your own protection.**
This Product is use on a nominal 230 Volt circuit, as shown on the name plate.
Connect the Product to an outlet having the same configuration as the Plug.
Wear safety Shoes when installing or relocating the machine.
Make sure the cabinet stands securely.
Keep your place clean & tidy. There is risk of accidents at untidy work place.
- **Close the cabinet when it is not being used.**
Cabinet shall be connected to dedicated electrical circuit- No other device shall be connected to this circuit.
This product is equipped with a cord having a grounding wire with an appropriate grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.
Removal of the plug from the outlet is the means for isolating the color assess cabinet from the power supply. Ensure that the color assess cabinet is installed with the plug easily accessible to the operator.
- **Do not use high pressure equipment to clean the cabinet.**
Make sure that the safety devices work properly and are clean.
- **Trained and authorized person shall use this product.**
- **Check voltage**
Our color assess cabinet can be used with any of the worldwide power standards.
CAUTION: Do not change voltage or check fuses or replace fuses while the color assess cabinet is plugged in.

2. INTRODUCTION

Color assess cabinet is a Cabinet, which is ideal for all your requirements& is specifically designed for point-of-sale shade checking applications.

This color assess cabinet (CAC) is ideal for checking the color shade effectively.

Color assess cabinet is user friendly.

Color assess cabinet has been designed to meet the demands of the lab &retail market.

The dimension of the cabinet makes it versatile and suitable for use in all environments.

The unique design results in reduced maintenance and in color shade checking at the lowest cost.

CAC is reliable equipment which performance and design exhibits the qualities of a strong and sturdy engineering product and zero maintenance.



Phoenix shall not be liable for any damage or injury incurred by non-compliance with these regulations, or by not taking the usual and accepted precautions in handling, operation or repair, even if not expressly stated in this manual.

3. TECHNICAL SPECIFICATIONS

- The Phoenix 3 Light colors assess cabinet is high quality entry level light with attractive design fits in all environments & improves quality control.
- Three different button for Light
- Interior color Grey Munsell N6
- Having neutral background for natural color.
- Better color evaluation of samples with consistent lighting from 3 light sources.
- Dedicated D65 Light source for Industrial application.
- Easy installation of replacement lamps on your own
- **Three different buttons for light**
- Options of 3 light sources including : 65 Artificial day light,
UV Ultraviolet black light
A Tungsten Filament
- Input Voltage : 220-240Vac, 50 Hz
- Interior Color options : Grey Munsell N6
- Work space (WxDXH) : 620 x 345 x 280mm
- Overall Dimension (WxDXH) : 670 x 360 x 450mm
- Net Weight :16 Kg

EN 292 Part 1 and 2: 1991	Safety of Machinery – Basic concepts, genera
	Principles for design
EN 418: 1992	Safety of Machinery – Emergency stop Equipment, Functional aspects
EN60204 Part 1: 1997	Safety of machinery – Electrical equipment of Machines -Specifications for general requirements.
EN 954-1: 1996	Safety of Machinery – Safety related parts of control Systems- Part 1: General principles for design
EN 1088: 1995	Safety of machinery-Interlocking devices associated with guards.
EN 294: 1992	Safety of machinery – Safety distances to prevent danger zones being reached by the upper limbs.
EN 953: 1997	Safety of machines – Guards-General requirements for the design and construction of fixed and movable for coating materials.
PrEN 12757-1	Mixing machinery for coating materials
<ul style="list-style-type: none">- Materials used by Phoenix to manufacture the cabinet doesn't undergo corrosions or deteriorations (They are compatible) with the paints which have to be checked.	

4. WARRANTY

LIMITED WARRANTY: Phoenix warrants each unit manufactured to be free of defects in material and workmanship for a period of twelve months. This warranty applies to single-shift operation and is counted from the date of initial start-up. It covers all defects arising from faulty material or workmanship.

Please note that all warranty claims must be accompanied by the original delivery note or initial start – up report.

All essential warranty repair work must only be carried out by trained service engineers or by third parties authorization from Phoenix. Unauthorized repair may render the warranty null and void.

Any other responsibility, with particular reference to damage claims, including foregone profit or other material losses on the part of the customer, is expressly excluded.

Warranty and liability claims for personal or material damage are excluded if attributable to one or more of the following causes:

Or abnormal conditions of operation, repairs will be billed at a normal cost. In this case, an estimate will be submitted before works is started, if requested.

Always include serial number in any correspondence concerning the part unit.

The warranty expires: Twelve month after date of invoicing

- Operations of the color assess cabinet with defective safety or protection device.
- Incorrect operation of the cabinet, as define in the operation instructions.
- Failure to observe the instruction in the operating manual with respect to set up, initial start up, operation and maintenance of the CAC.
- Fault and damage cause by dirt or incorrect cleaning schedules, with particular reference to leaks and damaged shade cards.
- Unauthorized structural modification to the cabinet.
- Incorrect monitoring of parts subject to wear and consumables.
- Unauthorized repairs or fitting of non original parts.
- Damage caused by the impact of foreign bodies.

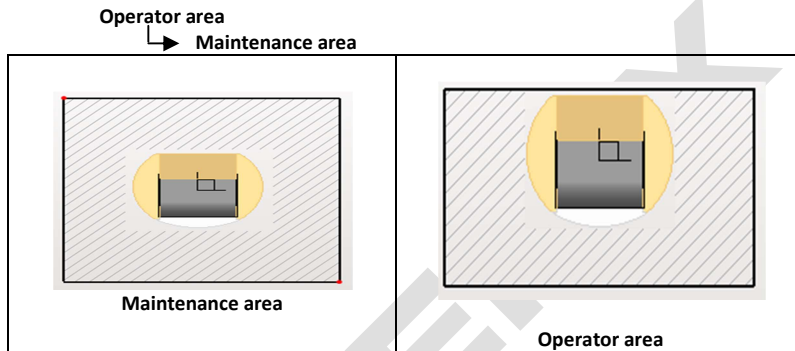
We reserve the right to make amendments as a result of ongoing advance in the technical field.

5. SAFETY SPECIFICATIONS

Compliance with safety requirements:

Color assess cabinet must be used and serviced by authorized and trained person only. Improper use or servicing may result in dangerous situations or accidents.

Risk to person is possible in two areas:



THIS EQUIPMENT MUST BE GROUNDED.

Attention!!!

Connect this product to a dedicated electrical circuit – no other devices shall be connected to this circuit. Do not use extension cords to connect this product.



Attention!!!

Only trained person shall be permitted access to the electrical wiring within the cabinet.

The cabinet is equipped with a power supply cable having the following specifications:

Length : 8 FT
Size : 18 AWG

The cabinet shall be connected to a dedicated, grounded circuit, protected by ON/OFF button. All wiring shall be in accordance with local codes.

Important:

The power supply cable conductors are color-coded as follows:

GREEN or GREEN/YELLOW : **GROUND**
WHITE or BLUE/BLACK : **NEUTRAL**
BLACK or BROWN/RED : **LINE**

Service safety rules:

- Prior to performing any maintenance or inspection of the CAC disconnect the power plug from the electrical outlet in order to ensure that the CAC start unexpectedly.
- To prevent injuries to person ensure that all removable panels are in place and properly secured except for any necessary inspections or maintenance.
- The Color assess cabinet shall be installed in an environment conforming to the appropriate local regulations. A permit issued by the local authority may be required.
- Do not store flammable materials or other materials inside the cabinet. The area in which the Color assess cabinet is installed must be kept free of exposed flames.
- It is recommended that a ventilation system, guaranteed to maintain the concentration of dangerous vapors around electrical components at less than 30%, be installed.
- When the Color assess cabinet is not being used for a period of time (such as at the end of the work day), ensure that it is empty (no shade cards inside the cabinet) turn off the main switch.
- Ensure that all cards are removed from inside the cabinet after any maintenance work.

RESIDUAL RISK

Residual risks list for the user:

The Color assess cabinet and its operating and service instructions have been developed giving careful consideration to the safety of the user and service technician. However, there are situations where risks can be reduced but not eliminated completely.

RISK	PRECAUTION
Color spill inside the Color assess cabinet	Thoroughly clean the operator and maintenance areas. Keep these areas clean.

Personal protection for User:

The Color assess cabinet, when properly operated and maintain, presents minimal risk to the user. However, it is recommended that the user wear suitable protective equipment (safety glasses, safety shoes with non-slip soles and gloves), in particular when loading and unloading the cabinet.

General danger situations:

There are no specifically identified hazard related to the operation and maintenance of the Color assess cabinet e.g. fire risk, issue or dispersion of dangerous products). However, it is recommended that a powder type fire extinguisher, suitable for electrical fires, be readily accessible.

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6. INSTALLATION

INSTALLATION CONDITIONS:

- Keep the Color assess cabinet away from other sources of direct light
- Connect the cabinet to the mains through a three-core cable supplied with the unit. 230 VAC 50 Hz single phase
- Select the position of three light switch as follows

INSTALLATION:

It is recommended that, during the installation of the Color assess cabinet, protective gloves be worn in order to prevent hand injuries.

- Unpack the Color assess cabinet
- Ensure the cabinet has not been damaged in any way
- Position the Color assess cabinet in the desired location
- Ensuring that all four feet are properly supporting the cabinet

7. CONTROLS

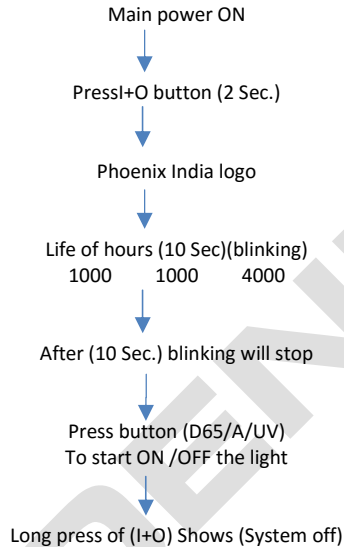


8. OPERATING CONDITIONS

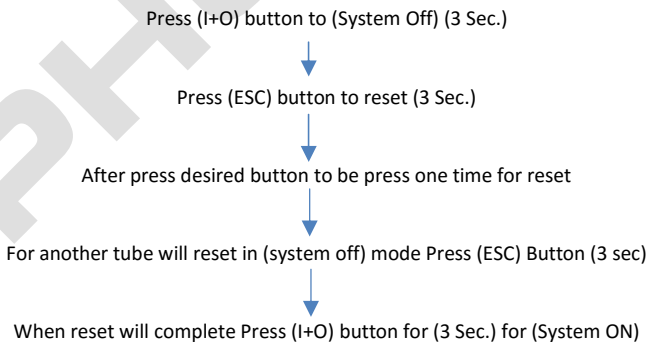
- 8.1 Test your eyes** -Using a CAC is only effective if your eyes are proven to be capable of judging color accurately. Before making critical color assessment choices, all parties involved in visual evaluation should be tested for accurate color perception
- 8.2 Choose lighting condition carefully** - Make sure you understand and identify the different types of light under which you will need to evaluate shade card as specified by customer and by the appropriate viewing lights.
- 8.3 De-clutter your space** – Your CAC should be completely free and clear of any items that aren't being evaluated for color. Anything within the range of vision can influence the color of the product and distort your analysis.
- 8.4 Sample arrangement**—samples are most properly viewed at 0°/45°angle. This can easily be managed in our CAC. Simply place the sample on the bottom of the cabinet, parallel to the light source. If comparing your samples, side-by-side so they're parallel and touching as even slight space between colors can confuse the eyes.

9. SOP OF COLOR ASSESS CABINET

TO START



RESET HOURS:



10. CARE AND MAINTAINANCE

10.1 Use of Platform

Color assess cabinet must be rest on feasible table platform which can be operated easily by the person working on it



10.2 Lights Handling

Always use care and allow cabinet lights to cool first before handling. Always use lens paper or an equivalent when picking up and replacing lights as skin oils can interfere with lamp performance.

11. MAINTENANCE AND TROUBLESHOOTING

Color assess cabinet

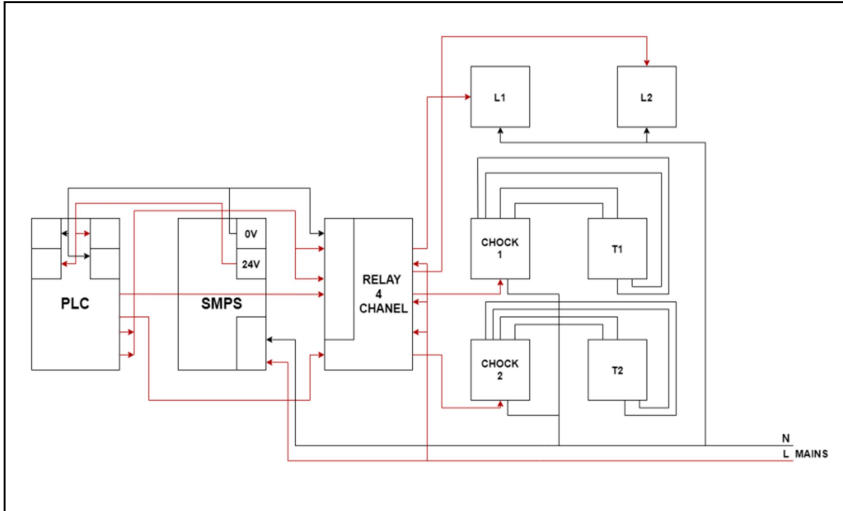
Monthly Maintenance or Ordinary Maintenance:

- Always keep the cabinet clean
- Accidental spillage of the paint must be cleaned then and there to avoid difficulties after it gets dried-up
- Gently press the button on panel
- keep the cabinet clean

Troubleshooting:

PROBLEM	TROUBLE SHOOTING
Cabinet is not turning ON or Not working	<ul style="list-style-type: none">1) Check the Mains supply.2) Check MCB Position, it should be ON.3) Check the Power supply4) Check plug or loose wire.
Lights are not turning ON even if display is ON	<ul style="list-style-type: none">1) Check light fitment in Socket2) Check connection of light in control panel

12. SCHEMATIC DIAGRAM



THANK YOU

Phoenix Mixer India Pvt. Ltd.
Plot No 7, Collage Road, Vadkun,
Dahanu Road - 401602
Dist: Palghar,
Maharashtra.
INDIA
Phone: + 91-2528 221120 / 223324

www.phoenixmixer.com

An ISO 9001:2015 Certified Company