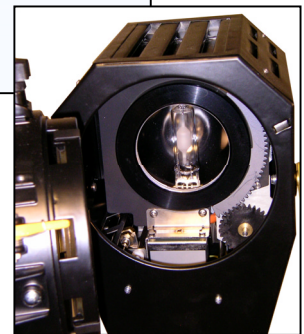




De Sisti Ligthing S.p.a. Head Office & Factory
Via Cancelliera # 10a, 00040 Albano Laziale (Rome- Italy).
Tel. **+39/06/934991**
Fax. **+39/06/9343489**
E-mail address: **desisti@desisti.it**
U.R.L. Address: **www.desisti.it**



CST 25 F

DMX ON/OFF & DIMMER CONTROL

MOD. 3452 (MANUAL OPERATED VERSION)
MOD. 3453 (POLE OPERATED VERSION)

USERS GUIDE

1. GENERAL INFORMATION

The CST 25F DMX ON/OFF & DIM is a Fresnel Spotlight utilizing a High Efficiency 250W discharge lamp with HOT RESTRIKE performances and CORRELATED COLOR TEMPERATURE of 3.200°K (it can be utilized in combination with Tungsten or Fluorescent sources having similar color temperatures).

The CST lamp is rated for 2.000 hours life, it has similar lumen output to a 1 kW tungsten CP40 lamp and has very low infrared emission. Therefore the CST 25F is an ideal fixture to offer COLD LIGHTING solutions to equip a studio.

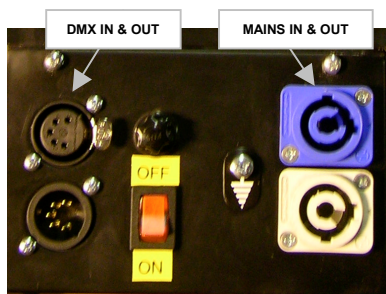
The CST 25F DMX ON/OFF & DIM is also providing some unique features that are the capability to turn the lamp either ON or OFF and control the Mechanical/Optical dimmer built in the unit by a standard DMX signal.

The above characteristics allows to have an installation without external dimmers, the mechanical optical dimmer has the ability to control light intensity without varying the color temperature and there is a significant saving in the electrical installation compared to a conventional tungsten with dimmers solution.

2. ELECTRICAL CONNECTIONS (POWER AND DMX)



All the connection points for POWER and DMX control of the fixture are located at the backside of the bottom box as shown in the illustration.



Multiple units can be connected in DAISY CHAIN both at POWER and DMX level.

DIRECT MAINS FEED connection:

the CST 25F Input Voltage range is: 90-265 Volts, 50-60Hz

The Power Feed connectors (POWERCON) are Finger Contact Protected and have a safe lock for release. Each connector is rated for 16A. The unit has an INPUT and an OUTPUT panel mounted POWERCON connector, that allow to Daisy Chain multiple units, but it is necessary to respect a maximum current of 16A in the mains cable chain. The maximum number of fixtures that can be daisy chained on each power line are:

At 230V Mains Voltage maximum 12 fixtures on 1 daisy chain

At 120V Mains Voltage maximum 6 fixtures on 1 daisy chain

DMX connection:

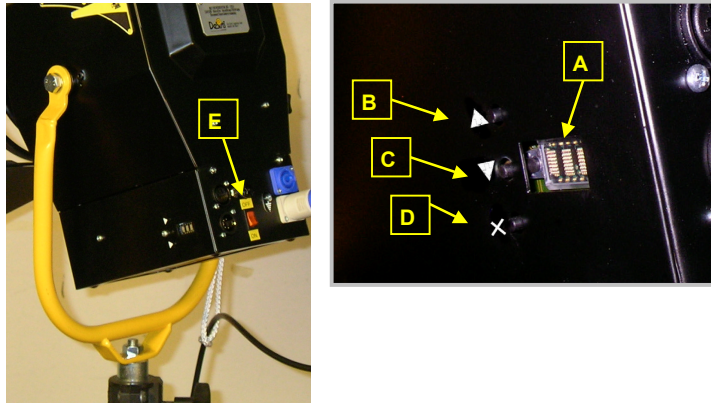
The unit has an INPUT and an OUTPUT panel mounted XLR 5 pin connectors that allow to Daisy Chain multiple units. The DMX electronics board Built In the Fixture is opto-Isolated and fully compatible with the DMX 512 USITT standards, that are also defining the maximum number of units that can be daisy chained. We are suggesting in any case to not exceed a maximum number of 16 units in one daisy chain and to use a DMX termination on the last unit in the chain.

3. LOCAL CONTROL AND DMX CONTROL

The CST 25F DMX ON/OFF & DIM is equipped with a local electronics, as shown in the illustration.

It is possible to operate the fixture either locally or by a remote DMX controller.

LOCAL CONTROL MODE WITH DMX NOT CONNECTED:



Once the power is connected to the Fixture and without a DMX connection, the CST can be operated locally as follows:

- Turn On the ON/OFF Mains switch labeled “E”.

By default the Display labeled “A” will show the content of the MAIN MENU:

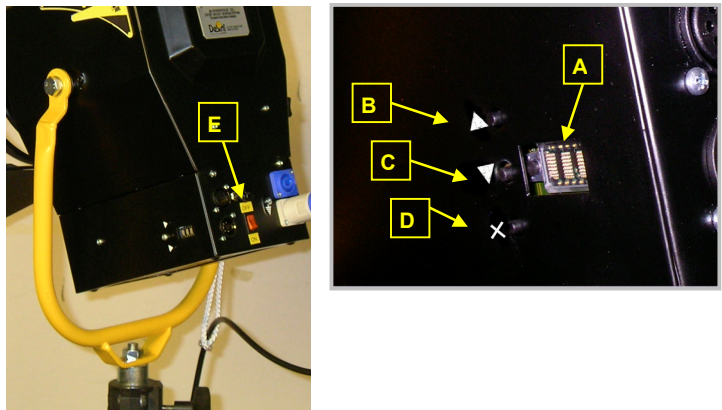
LAMP TURNING ON AND OFF (LOCAL):

- The 4 Digits Alphanumeric LED Display labeled “A” will show a scrolling message: Local OFF (PLEASE NOTE: if the CST has been previously used in Local Mode, the lamp has been turned on and it has been powered off by the ON/OFF Mains switch labeled “E”, when turning on again the system by the MAINS SWITCH, the lamp will turn On and the display will show “Local ON”: this is because, when using the system in local mode, the electronics is memorizing the last setting of the fixture and it is restituting the same status at the next power on).
- To turn ON the lamp, press the temporary push button labeled “D” (having a “X” symbol silk-screened on the product). To turn the lamp OFF it will be sufficient to push again the same push button.

DIMMING (LOCAL):

- It is now possible to control the Mechanical/Optical dimmer locally. Please scroll through the menus by acting on the temporary push button labeled “C” (arrow Down), until the writing “Dimm” is visualized on the display. To access the “Dimm” menu, while the “Dimm” writing is displayed, please press the temporary push button labeled “D” (X), having practically an ENTER function.
- At this point the display will show the dimming value as a percentage (0 to 100%: 0 = IRIS fully closed, 100% IRIS fully opened).
- By pushing on the B and C push buttons it is possible to respectively increase or decrease the light intensity (increments of 1%). To save locally the desired dimming setting press “D” (X).

DMX CONTROL MODE (DMX CONNECTED):



Once the power and DMX are connected to the Fixture, the CST can be operated as follows:

- Turn On the ON/OFF Mains switch labeled “E”. Please consider that the CST required 2 DMX channels.

By default the Display labeled “A” will show “DMX A---“ (the 3 spaces will show the DMX address pre-determined):

LAMP TURNING ON AND OFF (DMX – base address + 1):

- The DMX channel to Turn the lamp either On or OFF is the BASE ADDRESS plus 1 (for instance if the DMX address at the fixture is set as number 1, the channel to operate the lamp ON/OFF will be channel 2). This channel will turn the lamp ON at any equal or higher DMX value than 8%; it will turn the lamp OFF at any lower DMX value than 8%.

DIMMING (DMX – base address):

- The DMX channel to activate the mechanical/Optical dimmer corresponds to the BASE ADDRESS (for instance if the DMX address at the fixture is set as number 1, the channel to operate the dimmer will be channel 1). This channel operates the dimmer from 0 to 100%: 0 = IRIS fully closed (no light output), 100% IRIS fully opened (full light output), and will linearly increase or decrease the light intensity by increments or decrements of 1%

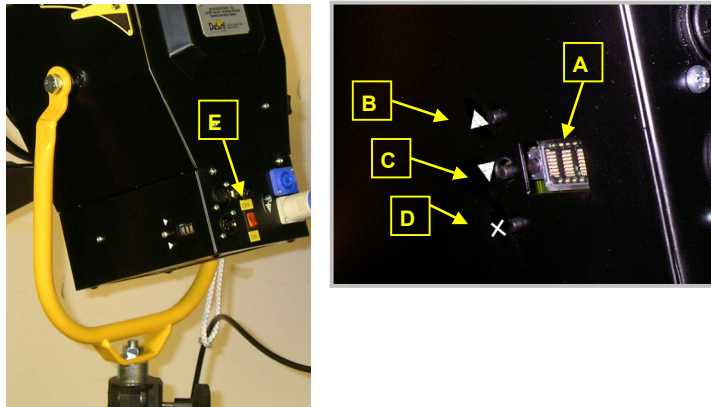
DMX ADDRESS SETTING:

- Please push twice the “C” button (Arrow Down) until “Addr” message is visualized in the Display
- Once “Addr” is displayed, please press “D” (X) in order to enter the address setting menu.
- Press now either B or C (arrow up and arrow down) until the desired number of DMX address is displayed.
- Please press D (X) to store it, at this point the new address has been set and the unit is ready to be utilized with the new DMX address.

DMX TEST MENU:

- Please push the “C” button (Arrow Down) until “Dmxv” message is visualized in the Display
- Once “Dmxv” is displayed, please press “D” (X) in order to enter the DMX TEST menu.
- It is now possible to visualize the DMX value arriving to the CST fixture as a percentage from 0 to 100% (very useful feature to verify that the DMX controller is not having some special or not compatible settings).

4. FUNCTION BUTTONS DESCRIPTIONS



	<p>Labeled B and C in the above illustration: Use the UP-DOWN Push buttons to scroll through the menu, to find the item to be accessed. Once the Item to be addressed is displayed, enter into the EDIT MODE by pressing “X”.</p>
	<p>Labeled D in the above illustration: Operates as an ENTER button and allows the operator to access the edit mode. Once the selected parameter value is set by using the Up and Down pushbuttons, pressing the “X” button allows you to record the new values.</p>

5. DMX CHANNELS & VALUES

DMX BASE	DIMMING	<p>This channel operates the dimmer from 0 to 100%: 0 = IRIS fully closed (no light output), 100% IRIS fully opened (full light output), and will linearly increase or decrease the light intensity by increments or decrements of 1%</p>
DMX BASE + 1	LAMP ON/OFF	<p>This channel will turn the lamp ON at any equal or higher DMX value than 8%; it will turn the lamp OFF at any lower DMX value than 8%.</p>