

## TECHNICAL DATA SHEET

This range of Xenon beacons is suitable for internal or external use where a much more powerful extra bright warning signalling is required. They produce 24 Joules of flash energy at 60 FPM & when the double flash option is chosen the beacon produces 24 Joules first flash and 18 Joules on the second flash. The light is emitted through 360° around the vertical axis and 180° above the horizontal axis. Due to the power rating of the beacon, it is not recommended for use in excess of 12 hours in any 24 hours period.

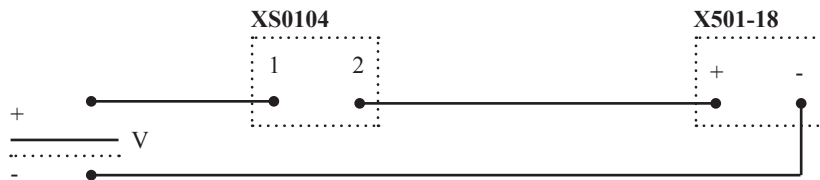
Part Code:	Voltage:	Light Source:	Current:
X501-18	24v Dc ---	Xenon 24J/18J	1.30 A
X500-21	115v Ac ~	Xenon 24J/18J	0.65 A
X500-22	230v Ac ~	Xenon 24J/18J	0.40 A

### **Lens Colour Selection**

**01** = Amber, **02** = Red, **03** = Blue, **04** = Green, **05** = Clear.

### **Bilateral Current Limiter**

The 24v Dc unit (X501) is supplied separately with a current limiter (XS0104). It must be installed (one per beacon) in all installations. It should be mounted at a convenient point within the power supply (or in a separate conduit box) using the two self adhesive pillars provided. The current limiter runs hot (100°C) in normal operation. All wiring should be positioned so that it does not come into contact with the device.



There will be a 3 second delay between switching power to the beacon and it starting to flash.

Note: do not re-start the beacon within five minutes of switch 'OFF' to ensure the current limiter is working at maximum capacity.

### **Key Features**

- Terminals except up to 1.5mm<sup>2</sup> cable
- Ingress Protection: Weatherproof to IP65
- Case Material: UV Stable Polycarbonate Lens, UV Stable ABS Base
- Operating Temperature: -25°C to +35°C
- AC Supply: 50/60Hz as standard

### **Optional Equipment**

- 50004 Mounting Bracket
- 50010 Cage Guard (cannot be used in conjunction with wall brackets)

Moflash part code S00582

**MOFLASH**  
SIGNALLING

## **INSTALLATION & TECHNICAL INFORMATION**

PLEASE READ PRIOR TO INSTALLATION



### **X500-21SU Series - (Xenon/Strobe)**

XENON EXTRA HIGH OUTPUT VISUAL SIGNALLING DEVICES

APPROVALS AND  
CONFORMITIES



Website: [www.moflash.com](http://www.moflash.com)

Email: [technical@moflash.co.uk](mailto:technical@moflash.co.uk)

## X500-21SU Series

### INSTALLATION DATA SHEET

Connection to this type of unit is either into the three way barrier strip situated in the base of the unit (standard connection) or via the M20 side conduit entry. If M20 is the preferred method, then the two wires in the barrier strip in the base need to be unscrewed and freed from the barrier strip. Un-screw 3x No:4 screws that retain the base plate & carefully remove, threading the wires through the aperture.

Un-screw the same two wires from the internal terminal block. Carefully drill out the M20 entry & using the appropriate cable gland, insert power cable into unit connecting to the internal terminal block.

For DC units, connect Positive lead to the terminal block marked '+' & Negative lead to terminal block marked '-'. The termination is polarity conscious (see picture 1).

For AC units connect Live lead to terminal block marked 'L' & Neutral lead to 'N'. The termination is polarity conscious (see picture 2).

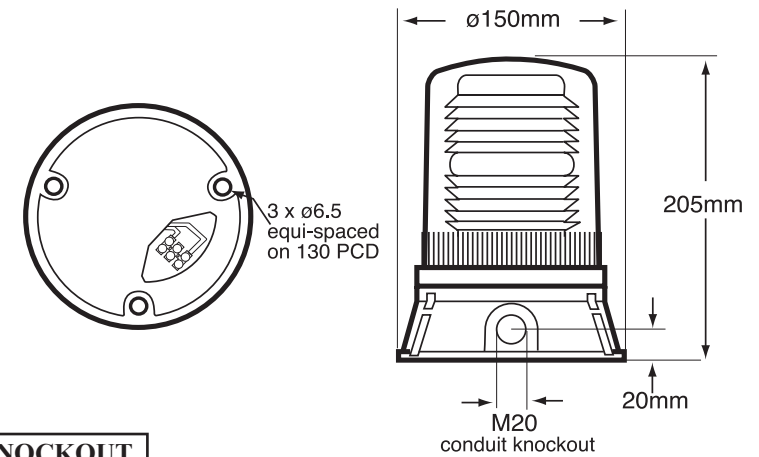
Before securing the base plate back into position see alarm stages below:

### Alarm Stages (Modes of Operation)

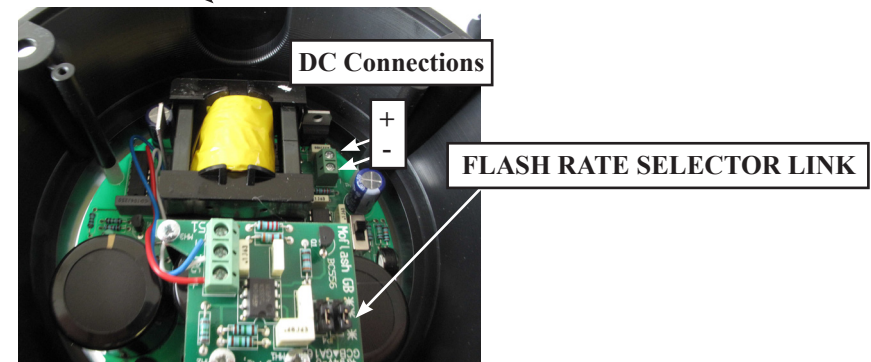
“This Unit has been set to 3 FPM, links and switch positions must not be altered.”

### General Installation Notes

- Installation must be carried out in accordance with the latest codes and regulations by a qualified electrician.
- Do not handle electronic components whilst wiring up, unless indicated above.
- Ensure power is disconnected prior to installation or maintenance.
- Xenon type units must be left for a minimum of 15 minutes after power has been disconnected before maintenance can begin.
- When installing the DC unit the supply must be smoothed & rectified.
- Environmental exposure conditions during installation should be dry, not moist or wet.
- The lens of the unit is Polycarbonate Plastic. Do not clean with petroleum based cleaners.
- For all installations, mount the beacon with the lens above the base. Any other mounting position will impair the IP rating (Ingress Protection) and shorten the working life of the beacon.
- Avoid mounting the beacon where it will be subject to excessive vibration.

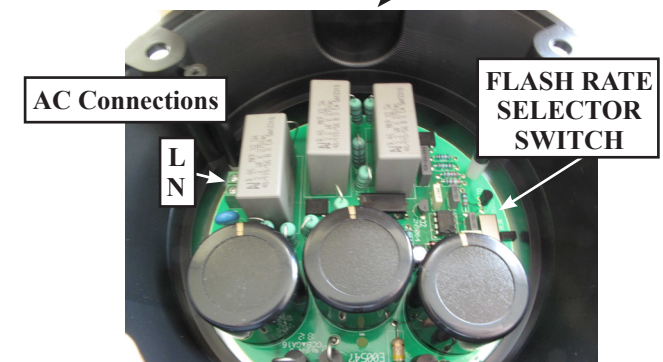


M20 KNOCKOUT



Picture 1 - DC Connections

M20 KNOCKOUT



Picture 2 - AC Connections