



YILDIRIM
ELEKTRİK CİHAZLARI SANAYİ TİCARET LTD.ŞTİ.



Since
1980

Address: İkitelli OSB Demirciler Sanayi Sitesi E1 Blok No:365 34670 Küçükçekmece - İSTANBUL / TURKEY
Telephone : (+90 212) 671 18 30 pbx Gsm : (+90 533) 486 10 02 Fax : (+90 212) 549 18 13
www.yildirimelektrik.com.tr e-mail : info@yildirimelektrik.com.tr

THYRISTOR CONTROLLED CATAPHORES PAINTING RECTIFIER WITH POTENTIOMETER USER MANUAL

Read user manual carefully before set up the rectifier.

INPUT FUSE

To protect system and device from network side over current.

START-STOP BUTTON

To adjust contactor on / off position and therefore system energy.

TIMER

Electronic time counter to adjust desired running time.

TIMER ON / OFF SWITCH

PHASE ERROR WARNING LAMP

In case lack of any line or wrong phase connection, this lamp responds with warning signal. (Continuous red lamp means lack of any line. Blinking red lamp means wrong phase connection. Continuous green lamp means normal system status.) In such a situation make a qualified person to check main connection or availability of lines at the input of rectifier.

VOLTAGE POTENTIOMETER

To make sensitive voltage adjustment.

CURRENT POTENTIOMETER

To make sensitive current adjustment.

SETTING UP THE RECTIFIER

Place the rectifier on a flat ground. Rectifier working space has to be not moist, wet and there must be enough distance around the rectifier for ventilation. Rectifier do not exposed to direct heat source.

Plug in energy cable to suitable grounded socket (AC 380 V 50 Hz., Mp and Ground). **RECTIFIER MUST BE GROUNDED.**

Rectifier has positive and negative output bars to make output connections. Red coloured bar is positive end (+, anode) and black coloured terminal is negative end (-, cathode). Take care of the connections are tighten.

To start rectifier, first turn on the input switch, turn voltage and current potentiometers to minimum and push start button. In case of phase error signal, correct phase sequence.

If voltage controlled mode desired, take current potentiometer to maximum level and set desired voltage with voltage potentiometer.

If current controlled mode desired, take voltage potentiometer to maximum level and set desired current with current potentiometer.

Running parameters shown at voltmeter and ammeter on display panel.

OVER CURRENT PROTECTION

Rectifier has protection system against over loading. In case of over current situation, rectifier output current automatically fixed to maximum output current.