Elpro·14 D.S.

FEATURES OF THE ELECTRONIC PROGRAMMER FOR BI-PARTING SLIDING GATES

All the electrical connections are to be made as per the following instructions and diagrams. Supply the terminals 21-22-23 with 220-380, 50 Hz, three-phase voltage. The "red led" No. 1 switches on and stays on as long as the board is properly supplied. Set the timer "MOTOR RUN. OPEN & CLOSE" so that the running time of the motor is longer than the actual travel of the gate. Set the timer "DWELL" - i.e. the interval between open and re-close - so that you can meet the required interval of time.
LOGIC OF THE ELECTRONIC PROGRAMMER: When a pulse is given, the flashing light switches on. After three seconds the motor starts. During the interval before re-closing, the light stays on. When the gate has fully re-closed, the light keeps on flashing for three more seconds and then switches off automatically.
The 3 second interval (pre-flashing) which precedes the actual start of the motor can be eliminated by means of the DIP-SWITCH "B" No. 4.

LED No. 1: It switches on when voltage is supplied.

LED No. 2: "PHOTO CELLS". Normally on. It switches off when the photo cells are obstructed.

LED No. 3: "OPEN". It switches on when the respective switch is activated.

LED No. 4: "CLOSE". It switches on when the respective switch is activated.

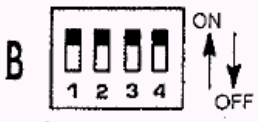
LED No. 5: "STOP" Normally on. It switches off when the respective switch is activated.

LED No. 6: "LIMIT SWITCH. CLOSE". It switches off when both gates are fully closed.

LED No. 7: "LIMIT SWITCH. OPEN". It switches off when both gates are fully open.

LED No. 8: "RADIO". It switches on whenever a pulse is given, either through remote control, keyswitch or push buttons.

– DIP-SWITCH



FUNCTIONS OF DIP-SWITCH "B"

1 - ON: PHOTO CELLS STOP DURING "OPEN" CYCLE
OFF: PHOTO CELLS. NO STOP DURING "OPEN" CYCLE

2 - ON: REMOTE CONTROL. NO REVERSE TRAVEL
OFF: REMOTE CONTROL. REVERSE TRAVEL

3 - ON: AUTOMATIC RE-CLOSING
OFF: NO AUTOMATIC RE-CLOSING

4 - ON: NO PRE-FLASHING
OFF: PRE-FLASHING

1) It is advisable not to expose the control box directly to weather conditions. If mounted outside, a suitable enclosure is recommended to protect it from sunshine and rain.
2) Bridge terminals 1 - 2 if you do not require any photo cells.
3) Should two sets of photo cells be required, these are to be series connected to terminals 1 - 2, contact normally closed.
4) Bridge terminals 3 - 6 if you do not require any keyswitch or push buttons.
5) Fit the mains to the control box with a high sensitivity, differential, magnetic-thermal switch, 0.003 Amps.
6) NOTE WELL
FAULT FINDING:
   - Check supply voltage with a tester: it must be 220-380, three-phase.
   - Check the high voltage fuses.
   - Check if the photo cell contacts are normally closed.
   - Check voltage from the control box to the electric motor: power might have dropped.
   - Check the fuse LOGIC.
   - The section of the electric cables to the motor must not be less than 1.5 mm².

✳ 24 V. ~ output. Terminals 12-13. It can supply power for 2 pairs of photo cells plus 1 radio receiver
Terminal 11 provides a power output for a lamp. 24 V – 3 W max.
Flashing lamp output. Terminals 22-23. Maximum available power 25 w.max.

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