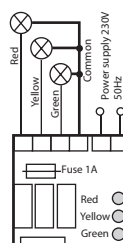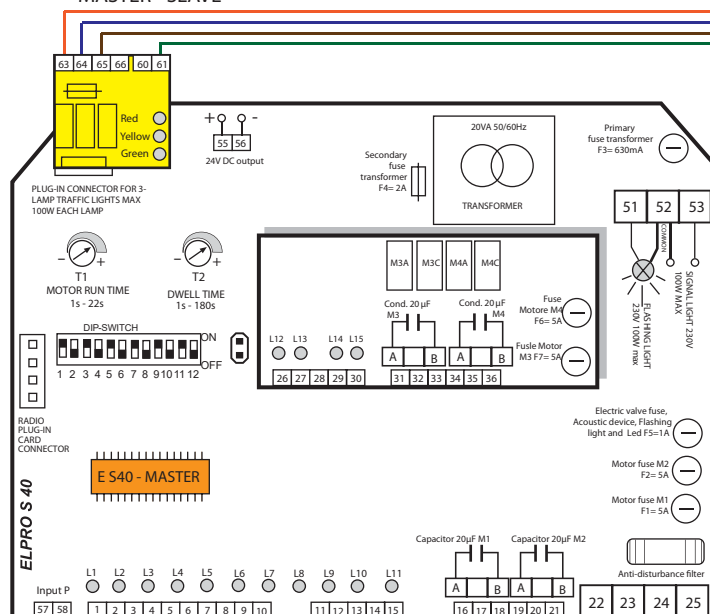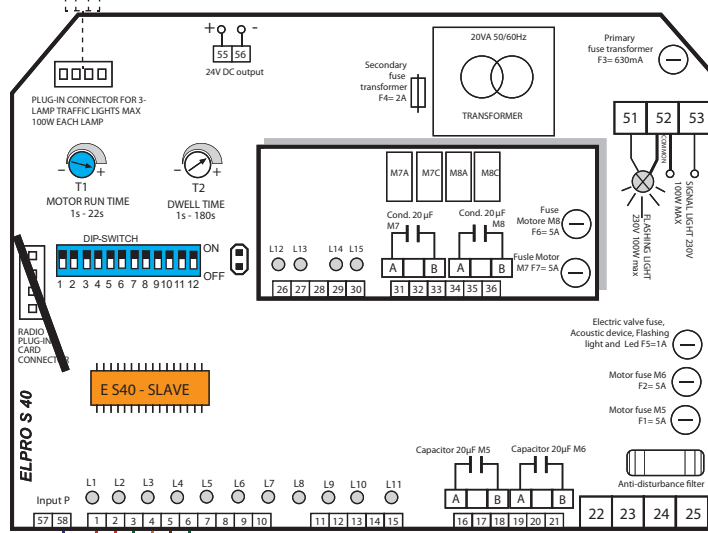The application of the KIT Elpro S40 / S50 MASTER - SLAVE makes it possible to control, by means of two Elpro S40 / S50 boards, up to 8 retractable bollards simultaneously.

This instructions sheet refers solely and exclusively to the MASTER/SLAVE connections of the Elpro S40 / S50 control board. For complete information regarding electrical connections, functions setting and diagnostic on the Elpro S40 / S50 reference should be made to the instructions provided with the product.
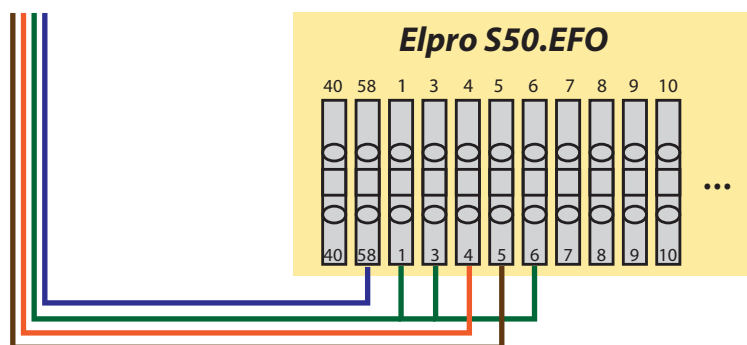

For the Elpro S50.EFO, make the connections in the dedicated terminal block, external to the Elpro S40.

Note well: whenever Elpro S40 / S50 is re-powered, wait 10 seconds for the logic to become fully operating again.

It is IMPORTANT to distinguish the Elpro S40 / S50 MASTER which commands the Elpro S40 / S50 SLAVE by means of the traffic light control card provided with the KIT Elpro S40 / S50 MASTER - SLAVE. All the accessories for command and safety must be connected to the terminals of the Elpro S40 / S50 MASTER that manages and controls the entire system. Signalling accessories as LEDs and/or buzzer are connected respectively to the Elpro S40 / S50 MASTER or SLAVE of the bollards it commands. A possible plug-in traffic light control card is to be connected to the Elpro S40 / S50 SLAVE.

KIT Elpro S40 / S50 MASTER-SLAVE application:
1. Replace the standard Elpro S40 / S50 microprocessors with the Elpro S40 / S50 MASTER and SLAVE from the KIT on the respective Elpro S40 / S50 control boards.
2. Insert the traffic light control card provided with the KIT into dedicated connector on the Elpro S40 / S50 MASTER board and perform electrical connections as illustrated in the picture.
3. Set working time on the Elpro S40 / S50 SLAVE on maximum.
4. Set all the dip-switches of the Elpro S40 / S50 SLAVE in OFF.
5. Configure the dip-switches for the desired functions only on the MASTER board.
6. If new working time setting should be required, use only the trimmer on the Elpro S40 / S50 MASTER board.
7. Adjust PAUSE time on the Elpro S40 / S50 MASTER control board.