

FL 130B BFT WIRING ENGLISH

1) GENERAL OUTLINE - Pair of photocells (transmitter-receiver) with double relay, normally energised on exit.

FL130 - If used as device type D, as per regulation EN12453, the maintenance of the door/gate should be done at least every six months.

FL130 B - It can be used as device type D, as per regulation EN 12453, if connected with a control unit with a "**CIRCUIT WHICH VERIFIES THE CORRECT FUNCTIONING OF THE SAFETY DEVICES**".

This product complies with the recognised technical standards and safety regulations. We declare that this product is in conformity with the following European Directives: 89/336/EEC and following amendments.

2) TECHNICAL SPECIFICATIONS - Power supply 20 to 31Vac / 22÷30Vdc; Absorption per pair 70mA; Max range 30m (reduced in fog or rain); Relay contacts 1A at 24Vac-dc; Working temperature -15°C to +70°C; Degree of protection IP 54.

3) FITTING - They should be aligned and mounted at a height between 40 and 60 cm from the ground. The surfaces used for fastening should be flat and parallel to each other. Mounting on pillar (**fig. 1**). Mounting on CF130 post (**fig. 2**). If two pairs of photocells are mounted near each other, cross the RX-TX positions (**fig. 3**).

4) TERMINAL BOARD

4.1) FL130 (fig.4) - Power supply 1(+) 2(-); 3-4 NO contact.

4.2) FL130B (fig.5) - Power supply 1(+) 2(-); contact NC 3-4, NO 3-5. **Please note Fig. 5 Addendum**

To connect the contacts, follow the instructions provided for the control devices used (control unit)

5) ALIGNMENT - Correct photocell alignment is obtained when the light of the RX receiver LED (**fig. 4-5**) can be seen after the cover has been fitted. When there is an obstacle between the RX receiver and the TX transmitter, the LED goes off and the relay opens the contact.

