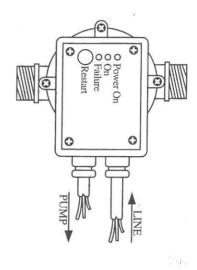
UNIT STARTING AND WORKING



to guarantee the water tight enclosure of the box, the four screws on its box must be tightly correctly. The cable used should have 6 mm min. and 9 mm max. outside diameter, In order On the cover back and inside the terminal board, a drawing shows how to make connections

STARTING

the yellow led "On" (pump in operation) indicates that the pump has been started When the unit is connected to the electrical network, the green led "Power On" lights up and

reach the required pressure. The pump continues to operate for a few seconds enabling the system to fill in the pipes and to

button pressed and wait, with a tap opened, until the red led is off If this lapse is insufficient, the red led"Failure" lights, up. In this event, keep the "Restart"

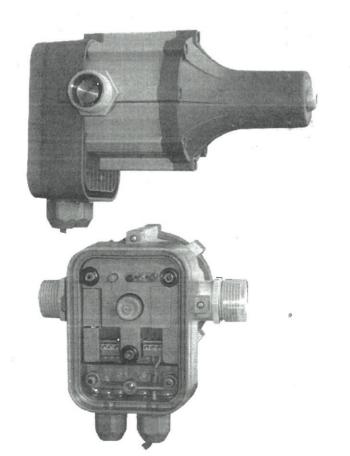
Once released the button and closed the tap, the unit stops the pump at its maximum pressure

FUNCTIONING

operations automatically. The starting operation archived, the unit is programmed to perform all the pump control

pressing the "Restart" button. a stop signal is sent to the pump to prevent damages caused by its working in the absence of water Rectification of the failures that have caused the blockage, allows the system to be restarted by pipe etc., the unit recognizes the breakdown and the red led "Failure" lights up; at the same time When particular operational breakdowns occur, such as water failure, obstruction of the suction

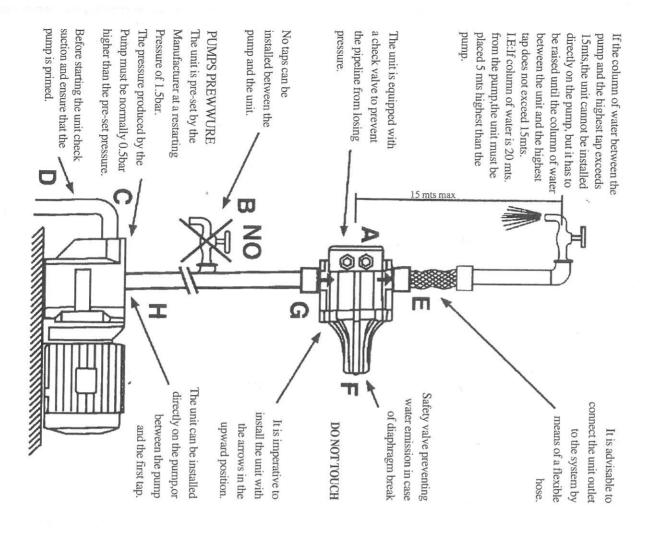
Automatic Control For Water Pump



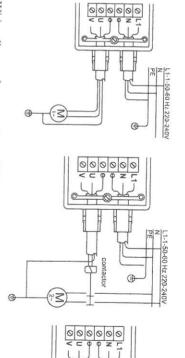
SPECIFICATIONS

Protection rating	Intensity Max	Frequency	Input voltage
IP 65	10A	50-60Hz	220-240V
	Connection	Maximum temperature rating 60°C	Maximum working pressure
	1"male	0°C	10 bar

INSTRUCTIONS FOR CORRECT UNIT INSTALLATION



WIRING DIAGRAMS FOR CONNECTING THE UNIT TO DIFFERENT KINDE OF PUMP'S MOTORS



Wiring diagram for connection of single-phase 220V pumps up to 1.1Kw.

Wiring diagram for connection of single phase 220V pumps over 1.1Kw.through remote control switch.

SPECIFICATIONS FOR REMOTE CONTROL SWITCH Minimum contacts capacity of 4 Kw or 5.5 HP approx.

Wiring diagram for connection of three phase 380V motor pumps through remote control switch.

SPECIFICATIONS FOR REMOTE CONTROL SWITCH Minimum contacts capacity of 4 Kw or 5.5 HP approx. 220V

POSSIBLE WORKING DEFECTS

-The pump is jammed	-Intermittent pump working	-The pump does not stop	-The pump does not start	TYPE OF DEFECT
-The electronic card is broken -The pump provides a pressure which is lower than -The restarting pressure	-The electronic card is broken -The pump does not provide sufficient pressure	-The electronic card is broken -The flow detector is blocked in the upper position -The reset button is blocked -The pump does not provide sufficient pressure	-The electronic card is broken	CAUSES DEPENDING ON THE UNIT
-Water failure -Suction problems	-Presence of leaks which are lower than the minimum flow 0.6 l/min	-Presence of leaks which are higher than the minimum flow 0.6 J/min	-Voltage failure -Pump jammed -Electric cables inverted(Line/motor)	CAUSES NOT DEPENDING ON THE UNIT