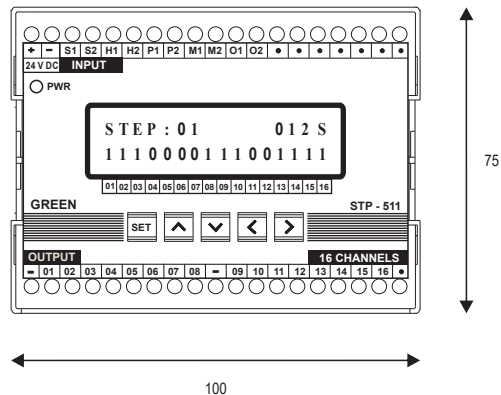


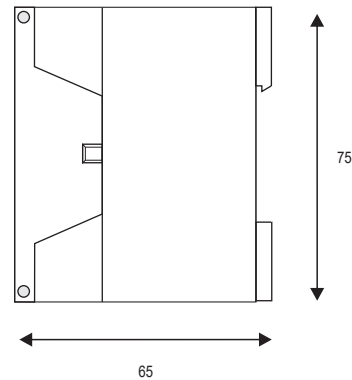
DIMENSIONS

FRONT VIEW



All dimensions are in mm

SIDE VIEW



STP-511

STEP TIMER

GREEN
COMPONENTS FOR AUTOMATION

INTRODUCTION

Thank you very much for purchasing this product STP-511. Please read the instruction manual carefully for the full usage of this product

This Product has passed various quality tests before despatch. Please check however, at the time of arrival, its model code and its appearance and ensure that all the contents are provided and there are no faults, damage etc, to the module. Please also ensure that the model code, which is labeled on the module, is identical to the one you ordered.

NOTE:

- Our company shall not be liable for any damages, as described below, caused to both any users and third parties
 - Damages caused by the result of operation of the product.
 - Damages caused by any defects in the product which are unpredictable for us.
- The content in this manual are subject to change without any notice. If you have any suggestion on the matter, Please do not hesitate to contact us.

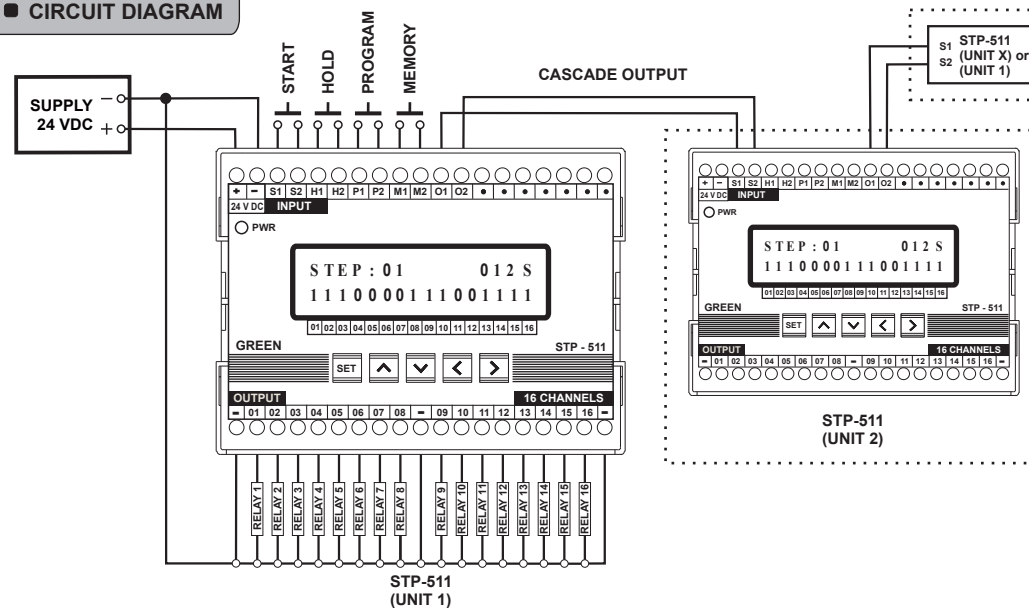
PRECAUTION FOR SAFE USE

- Use and store the Product within the specified ambient temperature and humidity ranges.
- Do not use the product in location subject to vibrations or shocks. Using the product in such location over a long period may result in damage due to stress.
- Do not use the product in locations subject to dust, corrosive gases, or direct sunlight
- Separate the input signal devices, input signal cables and the product from the source of noise or high - tension cables producing noise
- The supplied power voltage and load must be within the rated and specified ranges.
- Do not use where the water or oil splatter on the Product.
- Install a switch or circuit breaker that allows the operator to immediately turn off the power

SPECIFICATIONS

Model	STP-511
Range	0.1 Sec to 999 Hour
Display	16 x 2 LCD Display
Reset	External
Output	16 PNP type Transistor output
Facility	Cascading output
Safety features	Polarity protection
Connections	Screw type terminal
User programming	5 Keys & Display
Timer direction	Down
Range selection	Program
Mounting	Din - Rail (35 mm)
Load per output	24 VDC, 50mA
Function	Cyclic mode, single mode
Special feature	Hold, Output retention & Memory retention
Status indication (Power ON)	Red LED
Power consumption (Without Load)	3.5 W
Supply voltage	24 VDC
Operating voltage range	+ / -10% from the rated voltage
Weight	245 grams
Dimension (L x W x D)	75 x 100 x 65
Ambient humidity	35 to 85 % RH
Ambient temperature	-10 to 55 °C
Storage temperature	-25 to 65 °C
In the pack	Timer and instruction manual

CIRCUIT DIAGRAM



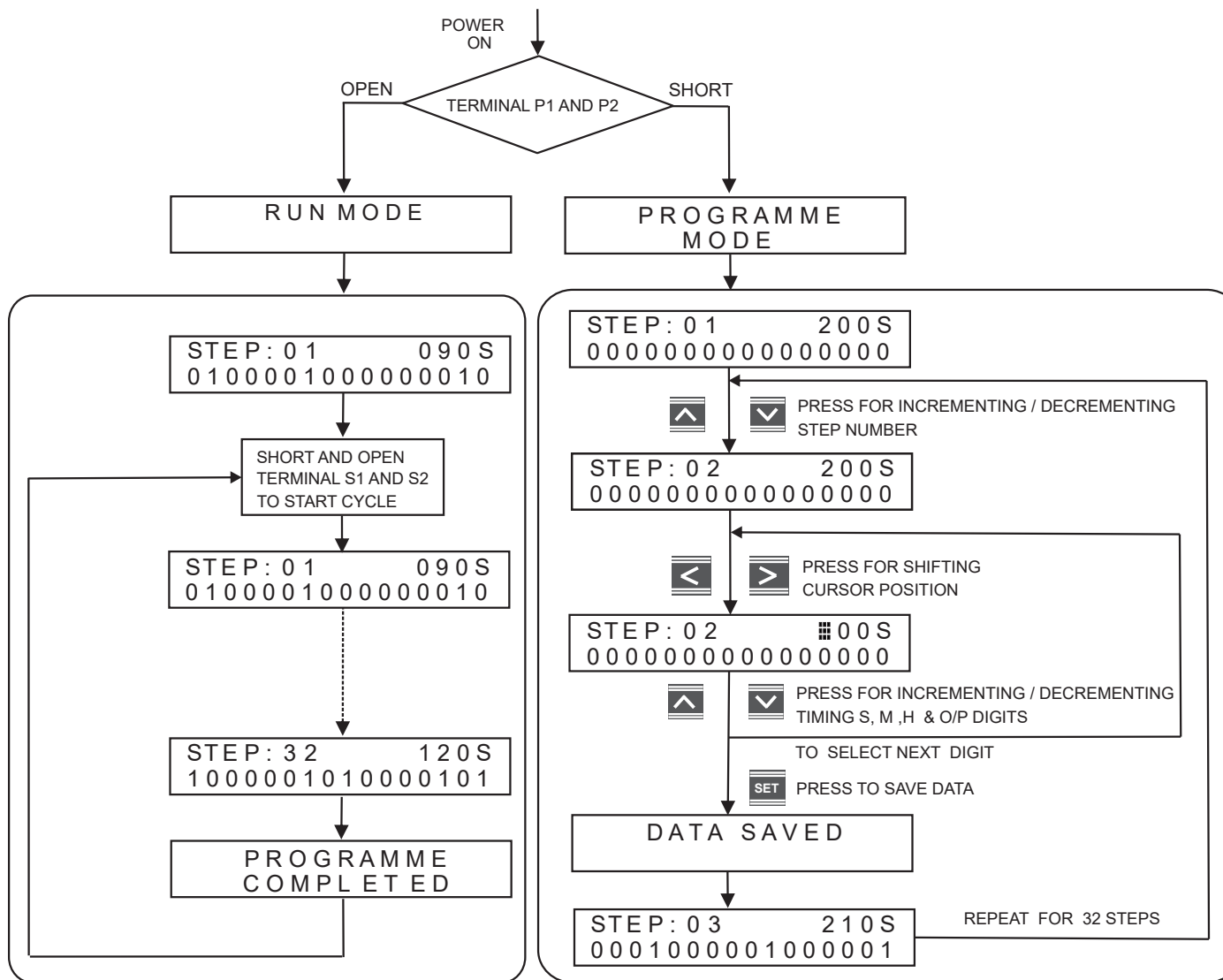
MANUFACTURER

GREEN MICROELECTRONICS INDIA PVT. LTD.

green@greenelectronics.in

www.greenelectronics.in

■ Operation procedure :



■ INPUT SPECIFICATIONS :

S1 , S2 : EXTERNAL START.

BY SHORTING TERMINALS S1 AND S2 FOR A MINIMUM PERIOD OF 150 mSEC., THE TIMING SEQUENCE IS INITIATED.

O1 , O2 : OUTPUT FOR CASCADE SELECTION.

BY SHORTING TERMINALS O1 AND O2 OF ONE UNIT TO S1 AND S2 RESPECTIVELY OF OTHER SAME UNIT , THE CASCADING OPERATION IS ACHIEVED.

H1 , H2 : HOLD THE TIMER AND OUTPUTS.

BY SHORTING TERMINALS H1 AND H2 THE STATUS OF TIMER AND OUTPUTS ARE MAINTAINED IRRESPECTIVE OF THE PROGRAMMED TIMING. THE OPERATION WILL BE RESUMED UPON REMOVING THE SHORT.

M1 , M2 : MEMORY BACK UP.

BY SHORTING TERMINALS M1 AND M2 THE CURRENT STATUS OF THE TIMER OUTPUTS ARE MAINTAINED DURING POWER FAILED CONDITION. OTHERWISE THE DATA WILL BE LOST.

P1 , P2 : PROGRAMME MODE SELECTION.

BY SHORTING TERMINALS P1 AND P2 THE TIMER VALUE, OUTPUT RETAINING STATUS, OUTPUT TYPE WILL BE PROGRAMMED.

THE POWER SHOULD BE OFF AND ON AFTER SHORTING THE TERMINALS P1 AND P2.

THE SHORTED TERMINALS P1 AND P2 WILL BE OPENED AFTER COMPLETING THE PROGRAMMING.

THE POWER SHOULD BE OFF AND ON AFTER OPENING THE TERMINALS P1 AND P2 . IN THIS CONDITION THE RUNNING MODE IS SELECTED.