# OPERATING MANUAL
# PLC FOR AUTO SOCKETING MACHINE
# ASPack-154

# VERSION 1.0

## Business Mission

Streamline Controls Pvt. Ltd. (SCPL) is in the business of providing electronic & computerizedAutomation solution   for different industries so as to enhance the quality and productivity.Our motto is to provide indigenous, reliable and proven products & hence to ensure consistentPerformance. Our concept of value to the customers is to supply indigenous control systemsDesigned with latest technology, developed through extensive R & D, incorporating state ofArt technology (world technology trend), manufactured under strictest quality control system and duly tested, at competitive prices, delivered in time and supported by service teams.

We feel it to be our responsibility to ensure that our business operates at a reasonable profit, as profit provides opportunity for R&D, growth and job security. Therefore we are dedicated to profitable growth - growth as a company and growth as an individual.

For detailed inquiry and troubleshooting contact:

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401/402,"meghansh"complex, opp. Oxford tower,

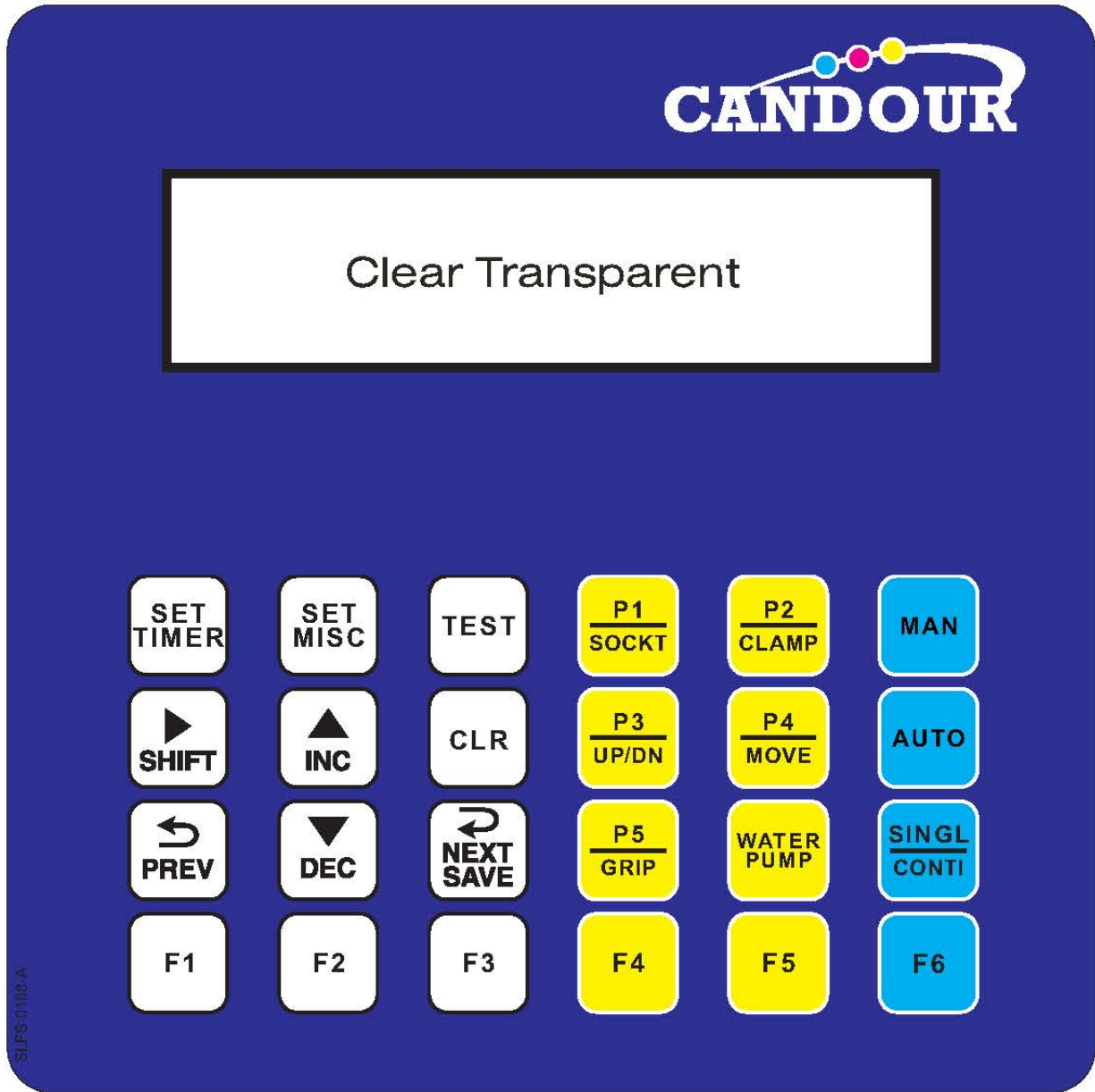Gurukulroad, Memnagar, Ahmedabad-380 052.

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# PLC FOR AUTO SOCKETING MACHINE

# ASPack-154

## 1. SystemSpecifications:

**Input**

**Power:**
| | |
|---|---|
| Voltage | : 0-24VAC ± 2% |
| Frequency | : 49-50 Hz |
| Consumption | : 10VA Max. |

**Control:**
| | |
|---|---|
| 1. Proximity | : NPN (NO type) 10-30 Vdc-50Ma Max |
| 2. Limit switches | : NO TYPE |

**Output**
| | |
|---|---|
| Output Signal | : 24VDC 25mA. Max. Signal driver |

**Environment**
| | |
|---|---|
| Temperature | : 0°C to 55°C |
| Humidity | : 5 to 95% RH non-condensing |

**MECHANICAL DIMENSIONS**
| | |
|---|---|
| Overall Dimension | : Depth X Width X Height (65mm X146mm X 146mm) |
| Panel Cutout Size | :140mmX140mm |

## 2. Basic Specification:

| | |
|---|---|
| Power Supply | : 24VDC supply |
| Display | : 16x2 LCD display |
| Keyboard | : 24 Keys |

## 3. Operating Mode Selector

| | |
|---|---|
| 1. MAN | : Push this key to toggle from AUTOtoMAN mode |
| 2. AUTO | : Push this key to toggle from MAN to AUTO mode |
| 3. SINGL/CONT | : Push this key tochange the Mode for Single or Continues Cycle. |
| 4. TEST | : Push this key for enabled or disabled the I/O TEST *function* |

## 4. Program Mode Selector

| | |
|---|---|
| SET TIMER | : Push this key to open SET TIMER menu. |
| SET MISC | : Push this key to open SET MISC.menu. |

## 5. Numerical Keys

| | |
|---|---|
| SHIFT | : Push this key to shift the digit. |
| INC | : Push this key to increase the digit value. |
| CLR | : Push this key toclear input data to zero |
| PREV | : Push this key to switch to previous parameter |
| DEC | : Push this key todecrease the digit value. |
| NEXT/ SAVE | : Push this key tosave current parameter &switch to next parameter |

## 6. Functional Keys

| | |
|---|---|
| P1/SOCKET | : Push this key to operate Pipe Socket output in manual mode. |
| P2/CLAMP | : Push this key to operate Pipe Clamp output in manual mode. |
| P3/UP-DOWN | : Push this key to operate Pipe Up-Down output in manual mode. |
| P4/MOVE | : Push this key to operate Pipe Move output in manual mode. |
| P5/GRIP | : Push this key to operate Pipe Gripping output in manual mode. |
| WATER PUMP | : Push this key to operate Water Pump output in manual mode. |

## 7. Parameter Description:
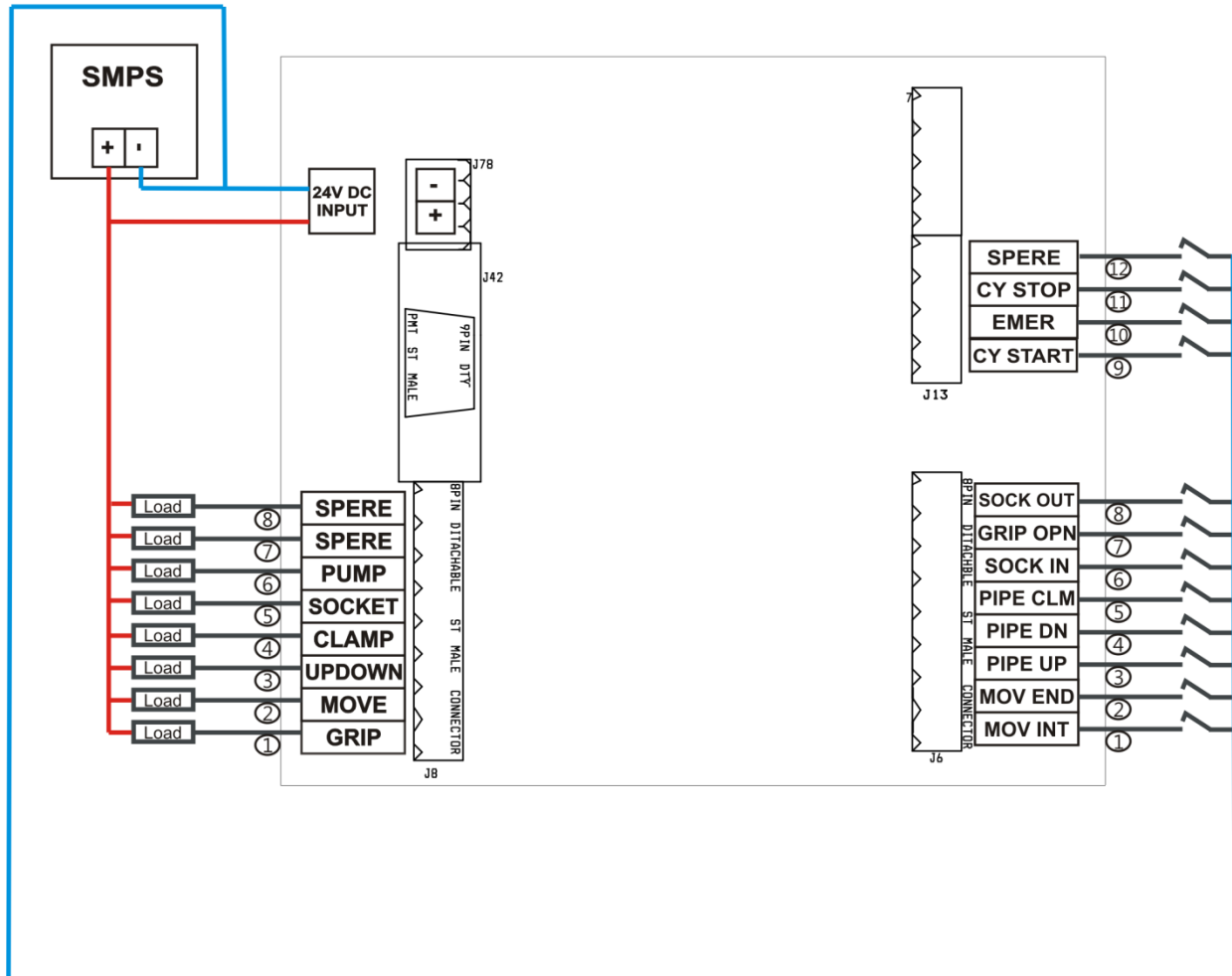
### 1) SET TIMER Parameters

| | |
|---|---|
| Water Pump ON | :In this parameter, set time for Water Pump ON time. (max 99.9 sec) |
| Cycle Delay | :In this parameter, set time for delay between two cycles. (max 99.9sec) |
| Max Cycle Time | :In this parameter, set time for maximum cycle timelimit. (max 999.9sec) |

### 2)SET MISC Parameters

| | |
|---|---|
| Batch Count | : This parameter is indicates count increase after complete one cycle. |
| Reset Batch | : This parameter is used for reset batch count. |
| Reset Total | : This parameter is used for reset total count. |

## 8. Wiring Diagram :

# WIRING DIAGRAM FOR AUTO SOCKET MACHINE