

## CLUTCH & BREAK CONTROL

**MULTISPAN**

MPC-1065



### TECHNICAL SPECIFICATION

#### INPUT SPECIFICATION:

Input (Start Pulse)	Clutch Proxy
	Unwinding Motor Start Proxy
	Eye Mark Sensor Proxy

#### DISPLAY AND KEYS:

Display	128 x 64 Bit Graphical LCD
Keys	SET, CURSOR UP/DOWN, INC, DEC, ENT/RST

#### DIMENSION:

Size	96 (H) x 96 (W) x 52 (D) mm
Panel Cutout	92 (H) x 92 (W) mm

#### OUTPUT SPECIFICATION:

Relay Output	
Relay	4 nos RLY-1 Horizontal Seal RLY-2 Nitrogen Fill RLY-3 Batch Cutter RLY-4 Unwinding
Relay Type	NO-C
Rating	5A, 230V AC

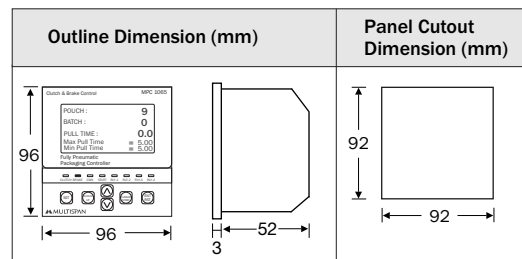
#### AUXILIARY SUPPLY:

Supply voltage	24V DC
Power consumption (VA RATING)	Approx 6 VA

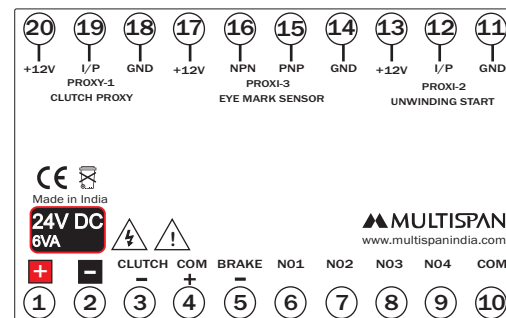
#### ENVIRONMENT CONDITION:

Operating Temp.	0°C to 55°C
Relative Humidity	UP to 95% RH (non-condensing)
Protection Level (AS Per Request)	IP-65 (Front side) As per IS/IEC 60529 : 2001

### MECHANICAL INSTALLATION



### TERMINAL CONNECTION



### STATUS LED DESCRIPTION

	1) It will ON ,When the Proxy Pulse Comes From Clutch Proxy.
	2) Till ON to the Max pull time, or getting the pulse of CMS (Consider only after Max-Min pull time Completed)
	It will ON ,When Max pull time is completed or getting the CMS pulse.
	It will ON, When CMS pulse comes from eye mark proxy.
	It will ON, every clutch proxy pulse.
	Horizontal seal Relay ON/OFF Status Indicate.

	Nitrogen fill Relay ON/OFF Status Indicate.
	Batch Cutter Relay ON/OFF Status Indicate.
	Unwinding Relay ON/OFF Status Indicate.

### KEY OPERATION

FUNCTION	PRESS KEY
<b>OPERATOR MODE</b>	
To enter in parameter setting mode	Press  Key for 5 Sec.
To Change home page	
To reset pouch & batch	for 5 Sec.
<b>PARAMETER SETTING MODE</b>	
To set parameter value	
To move cursor to the DOWN	
To move cursor to the UP	
To Increment parameter value	
To Decrement parameter Value	
Set parameter to be save & exit.	

### INSTALLATION GUIDELINES

- This equipment, being built-in-type, normally becomes a part of main control panel and in such case the terminals do not remain accessible to the end user after installation and internal wiring.
- Do not allow pieces of metal, wire clippings, or fine metallic fillings from installation to enter the product or else it may lead to a safety hazard that may in turn endanger life or cause electrical shock to the operator.
- Circuit breaker or mains switch must be installed between power source and supply terminal to facilitate power 'ON' or 'OFF' function. However this mains switch or circuit breaker must be installed at convenient place normally accessible to the operator.
- Use and store the instrument within the specified ambient temperature and humidity ranges as mentioned in this manual.

### MECHANICAL INSTALLATION GUIDELINES

- Prepare the panel cutout with proper dimensions as shown above.
- Fit the unit into the panel with the help of clamp given.
- The equipment in its installed state must not come in close proximity to any heating source, caustic vapors, oils steam, or other unwanted process byproducts.
- Use the specified size of crimp terminal (M3.5 screws) to wire the terminal block. Tightening the screws on the terminal block using the tightening torque of the range of 1.2 N.m.
- Do not connect anything to unused terminals.

### MAINTENANCE

- The equipment should be cleaned regularly to avoid blockage of ventilating parts.
- Clean the equipment with a clean soft cloth. Do not use isopropyl alcohol or any other cleaning agent.
- Fusible resistor must not be replaced by operator.



### SAFETY PRECAUTION

All safety related codifications, symbols and instructions that appear in this operating manual or on the equipment must be strictly followed to ensure the safety of the operating personnel as well as the instrument.

If all the equipment is not handled in a manner specified by the manufacturer, it might impair the protection provided by the equipment.



Read complete instructions prior to installation and operation of the unit.



**WARNING** : Risk of electric shock.

### WARNING GUIDELINES

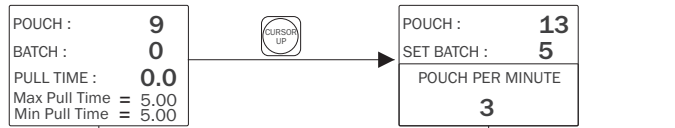


**WARNING** : Risk of electric shock.

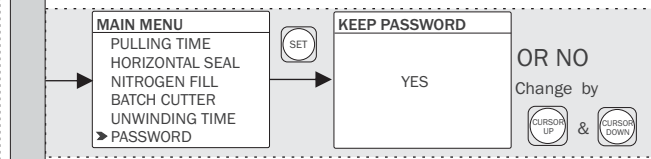
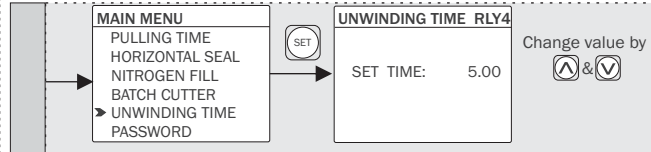
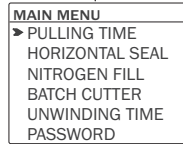
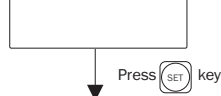
- To prevent the risk of electric shock, power supply to the equipment must be kept OFF while doing the wiring arrangement. Do not touch the terminals while power is being supplied.
- To reduce electro magnetic interference, use wire with adequate rating and twists of the same of equal size shall be made with shortest connection.
- Cable used for connection to power source, must have a cross section of 1mm or greater. These wires should have insulations capacity made of at least 1.5kV.
- A better anti-noise effect can be expected by using standard power supply cable for the instrument.

Specifications are subject to change, since development is a continuous process. So for more updated operating information and Support, Please contact our Helpline: 9081078681/9081078683 or Email at [service@multispandia.com](mailto:service@multispandia.com) Ver:200601

# PARAMETER SETTING



IF Password = YES Press SET key for 3 sec To Enter into parameter setting



## WORKING

- 1) When the proxy pulse comes from clutch proxy (start pulse) the clutch will ON till Max Pull Time or unless getting the pulse of CMS, but CMS pulse will consider only after Max Minus Min Pulling Time is completed.
- 2) After completion of Max Pull Time or getting the CMS pulse the clutch Relay will Remain OFF and the Brake Relay will Remain ON.
- 3) After Brake, all Delay time will start, and completion of that Delay time, Relay will ON as per set ON time

## CONTROL FUNCTION

PULLING TIME	HORIZONTAL SEAL RLY1	NITROGEN FILL RLY2	BATCH CUTTER RLY3
DLY Time = 1.00	DLY Time = 3.00	DLY Time = 4.00	Set Time = 2
MAX TIME = 10.00	ON TIME = 4.00	ON TIME = 4.00	DLY Time = 3.00
MIN TIME = 3.00			ON Time = 2.00

