



**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

**TECHNICAL SPECIFICATION**

**INPUT SPECIFICATION:**

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

**DISPLAY AND KEYS:**

Display	320 x 240 px Resistive Touch screen Display
Keys	RESET

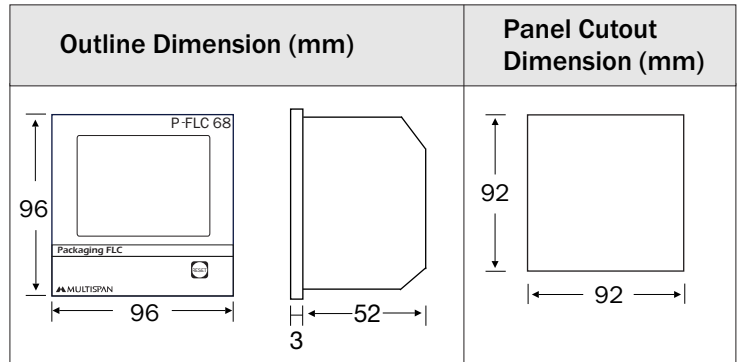
**DIMENSION:**

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

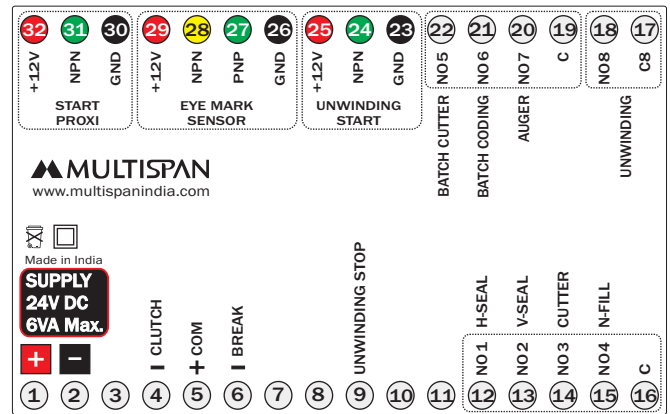
**OUTPUT SPECIFICATION:**

Relay Output	
Relay	8 nos RLY-1 Horizontal seal RLY-2 Vertical seal RLY-3 Cutter RLY-4 Nitrogen fill RLY-5 Batch cutter RLY-6 Batch coding RLY-7 Auger RLY-8 Unwinding
Relay Type	NO-C
Rating	5A, 230V AC/30V DC
Clutch & Brake Output	24 V DC

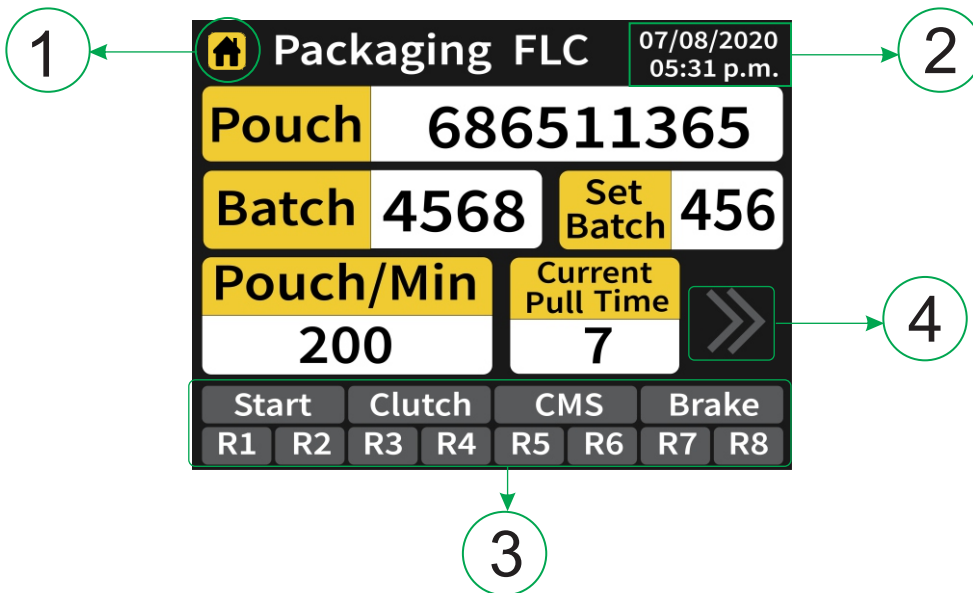
**MECHANICAL INSTALLATION**



**TERMINAL CONNECTION**

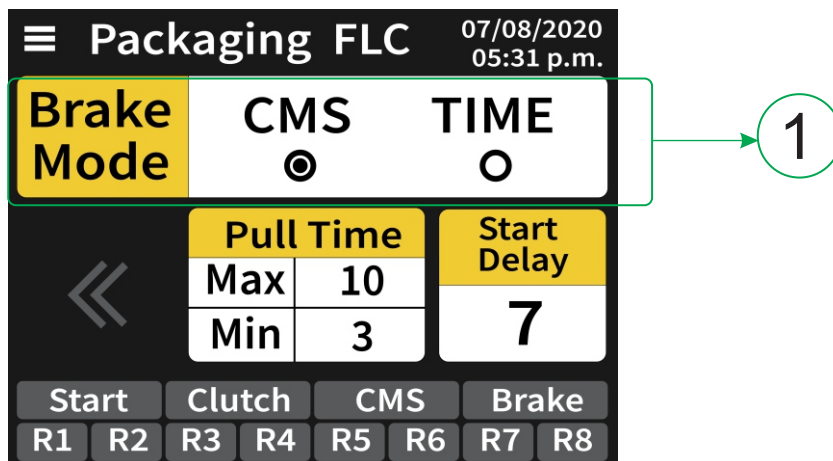


## Explanation of data display section:



NO.	Function/Icon	Description
1	(Home)	Tap to open Menupage
2	Time	It will show date & time. To change/edit go in RTC Setting
3	<b>Status display</b> Start R1 It will change colour, when its ON.	It will show the status of inputs & outputs
4	Toggle button	Tap to toggle between home pages

This page will display when, Tap to the toggle icon.



**1** Brake mode selection: 1) Pull Time base or 2) Eye mark sensor base

### Work Flow :

- 1) When the start pulse occurs from the clutch Proxy, the clutch will turn ON and remain ON until one of the following :
  - (i) Max pull time (in time mode)
  - (ii) CMS pulse is detected after max - min pull time (in CMS mode)
- 2) As the pull time completes or the CMS pulse occurs, the brake will turn on.
- 3) After brake, respective relays will operate based on their delay and ON time configurations.

## Explanation of Menu page:

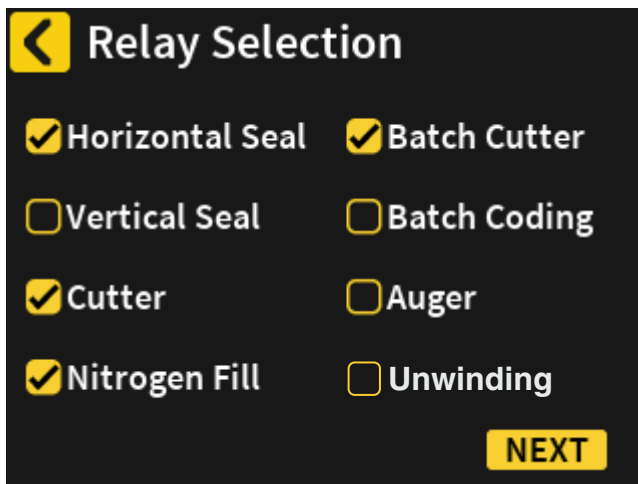
Tap  to go back to homepage.



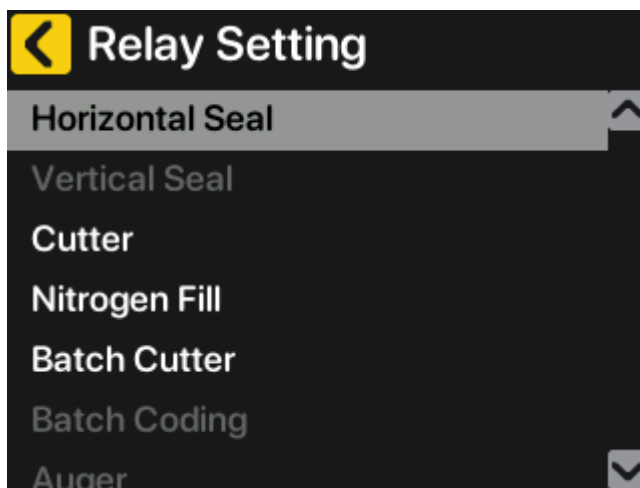
### 1) Relay setting

Tap  to select number of relays.

There is a 8 relay output selection available.



Tap  icon for relay timing selection




Select Relay, for which the parameter you want to change.

This page will display, when **Horizontal Seal Relay** select.

**Horizontal Seal RLY1**

Delay Time  S

ON Time  S


 **PREV** **NEXT**

Tap to edit relay timing

**CLEAR**  
**DEL**

1	2	3	4
5	6	7	8
.	9	0	ENT

## 2) RTC setting

Tap  to change RTC.

**RTC Setting**

Date  /  /   
DD MM YY

Time  :  :   
HH MM SS

Tap to edit date/time

**CLEAR**  
**DEL**

1	2	3	4
5	6	7	8
.	9	0	ENT

## 3) Pull time

Tap  to edit pull timing.

**Pull Time**

Delay Time  S

Max Time  S

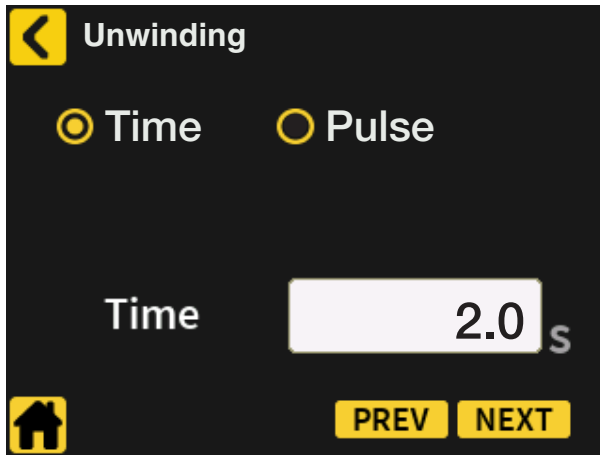
Min Time  S

Tap to edit pull time.

**CLEAR**  
**DEL**

1	2	3	4
5	6	7	8
.	9	0	ENT

#### 4) Unwinding Relay

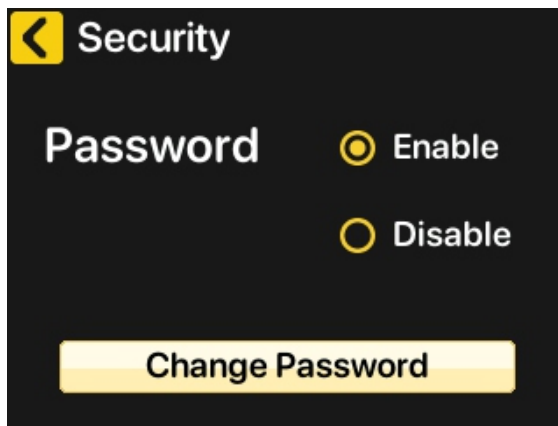


There is 2 option to operate unwinding relay

- 1) Time based :  
when unwinding start pulse is given to instrument unwinding relay will ON for selected time.
- 2) Pulse based :  
For start/stop unwinding relay user have to give start/stop pulse manually to operate this relay

#### 5) Password setting

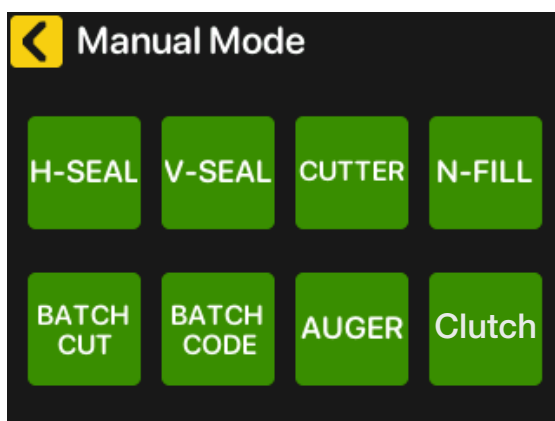
Tap  to change Password settings.



To enable/Disable, you need to enter current password.

#### 6) Manual Mode

Tap  to Manual mode.



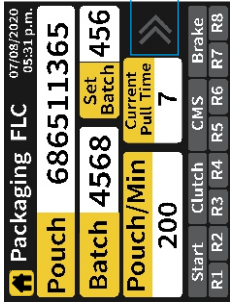
**Warning:**  
Only enter in this mode after all relays operations are completed.

User can use only one relay at a time.  
Relay will turn ON based on respective ON time.

Tap on Particular relay, for Manual operation of that Relay. It will change color, when its ON.

# Switching operation of screens

Power ON →

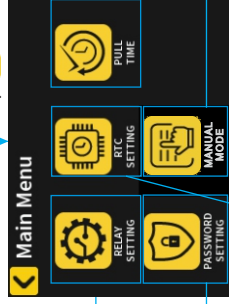


Homepage 1

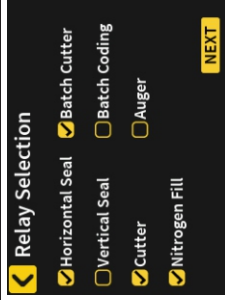


Homepage 2

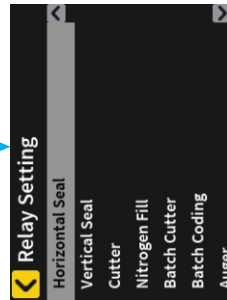
Tap for menu page



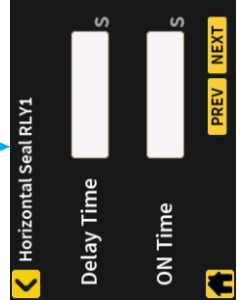
Tap icon for Relay selection & Relay delay time settings. . .



Tap NEXT for individual Relay settings.

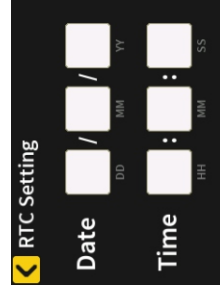


Select particular relay for delay/ON time setting

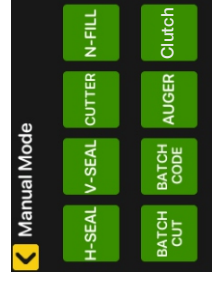


Tap to toggle home page

Tap icon for Date & Time settings.

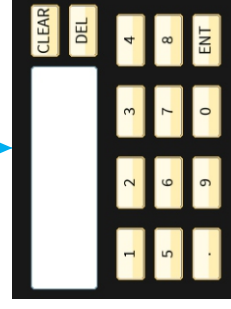
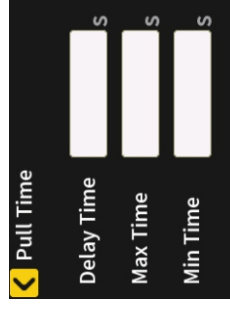


Tap icon for Manual Mode

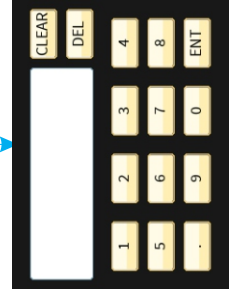


Tap to turn ON any relay.

Tap icon for Pull time settings.



If Enable, then password can change by keypad.



## CONTROL FUNCTION

### PULLING TIME

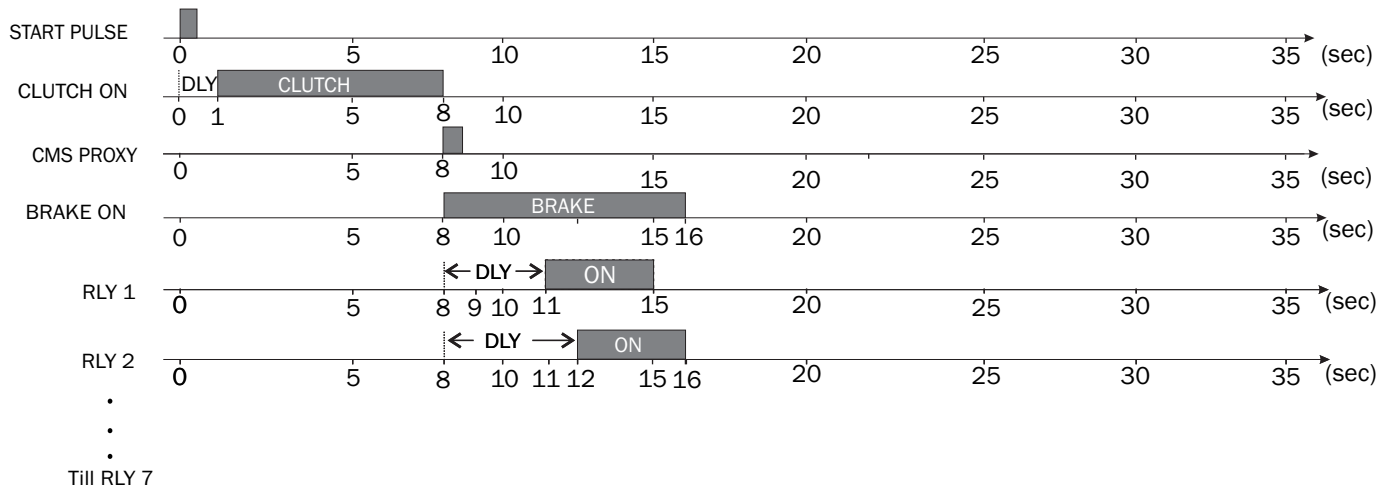
DLY Time = 1.00  
MAX TIME = 10.00  
MIN TIME = 3.00

### HORIZONTAL SEAL RLY1

DLY Time = 3.00  
ON TIME = 4.00

### VERTICAL SEAL RLY2

DLY Time = 4.00  
ON TIME = 4.00



## INSTALLATION GUIDELINES

1. 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.
2. 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.
3. 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.
4. Use and store the instrument within the specified ambient temperature and humidity ranges as mentioned in this manual.

## MECHANICAL INSTALLATION GUIDELINES

1. Prepare the panel cutout with proper dimensions as shown above.
2. Fit the unit into the panel with the help of clamp given.
3. 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.
4. 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.
5. Do not connect anything to unused terminals.

## WARNING GUIDELINES



### WARNING : Risk of electric shock.

1. 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.
2. To reduce electro magnetic interference, use wire with adequate rating and twists of the same of equal size shall be made with shortest connection.
3. 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.
4. A better anti-noise effect can be expected by using standard power supply cable for the instrument.

## MAINTENANCE

1. The equipment should be cleaned regularly to avoid blockage of ventilating parts.
2. Clean the equipment with a clean soft cloth. Do not use isopropyl alcohol or any other cleaning agent.
3. 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.**

**NOTE :-**