☆ STARLOGIXS ®

PRESSMATE CONTROLLER

OWNERS MANUAL

For Distribution with a new Autobaler

Complies to:
AS/NZ52064:1997
  (EC/CISPR11:1992)
AS 4024.1:1996
  (Category III)
	Aust.Communications Authority
	C-Tick Approved
	
	N10728

This controller has a serial number located on the front of the panel.
Please record the serial number and retain it for your records.
Serial Number_____

- Your StarLogixs PressMate Controller provides vital safety features in your press. If the Controller has been damaged always have it checked by an approved service agent before operating the press.
- Check all power leads and plugs for damage. If damage is found switch off and disconnect from supply, and have repaired by an approved service agent.
- The 'door closed' sensors are critical to the safe operation of the press. If they are damaged or the mechanism driving them is damaged never attempt to use the press before calling an approved service agent.
- **The Controller has lethal voltages inside**.
- **Never open** or attempt to service.
- **Never remove** or attempt to remove the back cover.
- **No user serviceable parts** or adjustments inside.
- **Do not directly expose** Controller to rain or high pressure water jets.
- **Should you leave your Autobaler unattended for a period of time, it is strongly recommended that you switch the power off and remove the key.**
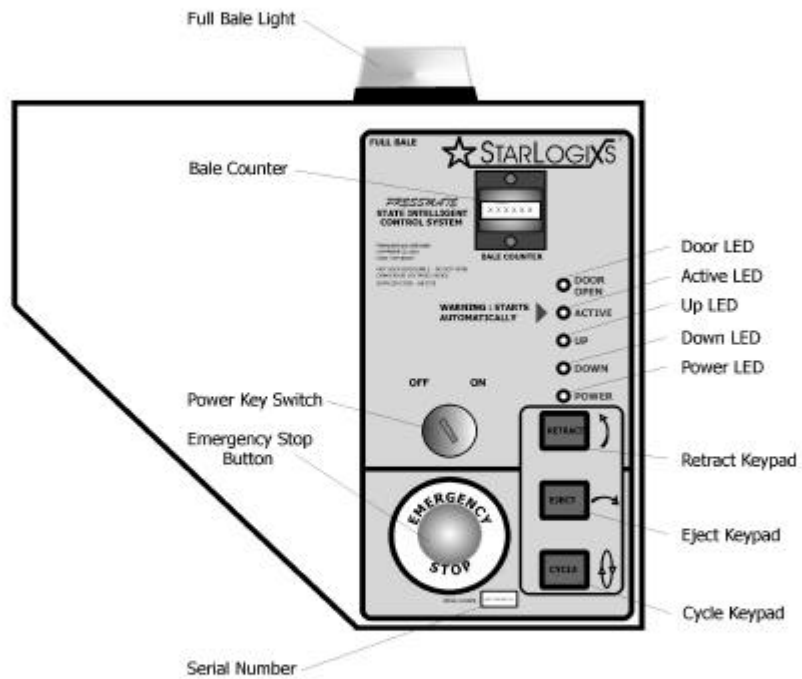
NOTE TO SERVICEMAN

Always obtain the latest version of service manual from www.starlogixs.com.au   (phone for password) before attempting to service the control system. Do not substitute items noted in the service manual as critical components in the category III safety systems.

Contents

Location of Controls & Switches

Full Bale Light

Bale Counter

FULL BALE

⭐ **StarLogix**S

PRESSMATE
STATE INTELLIGENT
CONTROL SYSTEM

BALE COUNTER

Door LED

Active LED

WARNING : STARTS
AUTOMATICALLY ▶

○ DOOR OPEN

○ ACTIVE

Up LED

Down LED

Power LED

○ UP

○ DOWN

○ POWER

OFF   ON

Power Key Switch

Emergency Stop
Button

RETRACT

Retract Keypad

EJECT

Eject Keypad

EMERGENCY STOP

CYCLE

Cycle Keypad

Serial Number

Basic Operation

1. Switch on Power Key Switch and check that Emergency Stop Button is not depressed (rotate to release). The Power LED should illuminate.

2. Close press doors. If door is not properly shut the Door LED will remain illuminated and the only function that will work is the bale eject.

3. Press Retract Keypad and the Up LED will illuminate, the electric motor will start, and after a 4 second delay the pressing fingers will move upwards to their retracted position and stay there.

4. After filling pressing compartment and hopper with material, press the Cycle Keypad. The Active LED will commence flashing indicating the press has entered its automatic mode. The Down LED will illuminate and the pressing fingers will move downward compressing material. If the Infra-red sensors detect material in the press hopper the machine will automatically cycle until the hopper is cleared. Alternatively the operator can manually initiate another cycle by pressing the Cycle Keypad.

NOTE: To guard against accidental operation the keypad must be pressed and held for about 1 second before the Controller responds.

5. The press will continue to operate automatically until a full bale condition is detected. The last pressing cycle is completed and an audible beeper and the full bale light are activated! The Infra-Red sensors will stop causing the press to cycle, but the operator can cause further cycles by pressing the Cycle Keypad. This allows material already in the hopper to be compressed.

6. After tying-off the bale (see press manual) the top press door must be shut. Pressing the Retract Keypad will cause Up LED to illuminate and the pressing fingers to move upwards to their retracted position, and stay there. If this does not occur check door is shut properly (Door LED should not be illuminated.)

7. Open top and bottom press doors and hold Eject Keypad to power eject finished bale (refer to press manual for details.) The bale counter will increment by one each time a bale is ejected. The Up LED and the Down LED will illuminate while the Eject Keypad is pressed.
NOTE: The pressing fingers will not move with the top door open and the eject function will be disabled if the top door is shut.

Motor Operation

The PressMate Controller intelligently controls the electric motor for maximum energy efficiency. If the press completes an operation and no new functions are required in the next 16 seconds the motor is stopped.

If the motor has stopped and a press function is required the motor automatically starts, but press functions are suspended for 4 seconds allowing the motor to start under no load and stabilise at its running speed.

The Category III safety system in the Controller immediately stops the electric motor when the baler top door is opened.

During Eject operation the motor only runs while the Eject Keypad is pressed.

Optional Extras

Your StarLogixs PressMate Controller is supplied with an options connector, which has a loop-back plug fitted. If this plug is removed an option kit must be fitted or the controller will not function.

Two option kits are available:

Remote Control Kit

This kit allows the machine to be operated from a remote operator panel and provides Cycle, Eject, Retract and Stop keys.

In addition it allows for monitoring of a secondary safety door or device, and also provides a full bale light.

The standard kit provides 5 meters (15 feet) of cable between the PressMate Controller and the remote operator panel. For more details contact your local sales agent.

Auxiliary Control Kit

Your StarLogixs Controller has an auxiliary relay fitted, which changes state when a full bale is detected. This can be used for simple control of external devices like cardboard conveyor, systems in assembly line.

In addition 24Vac lines are available, thus providing all necessary requirements for driving motor contactors. Always consult your local sales agent before implementing this option because incorrectly rated loads could seriously damage your Controller.

Basic Servicing

Your StarLogixs PressMate Controller is a state of the art electronic control system that is designed for long service free life.

No part of the controller is serviceable, and should never be opened because there are **dangerous voltages** inside.

However, some basic service can be performed by the operator, as detailed below :

1. No Power

- Check that the mains outlet is working properly. Test by plugging another machine into the outlet. If there is a fault with the outlet call a qualified electrician.

Never try to make repairs to mains equipment.

- Check the fuse located on the bottom of the Controller. If it is blown only replace with a 4A MGC glass fuse. Use of an incorrect fuse may result in serious damage to the Controller, and will void your warranty.
- If the fuse continuously blows call for service.

Specifications

Power Supply: 415V ac 50Hz 20A
Control & Sensor Power Supply: 24Vdc fully mains isolated.
Motor Rating: SL100   3.0 kW Three Phase
                              SL200   4   kW Three Phase
                              SL400   5.5 kW Three Phase
                              SL500   7.5 kW Three Phase
Motor Protection: Auto resetting thermal overload relay.
Panel Fuse: 4A MGC 32mm Glass Type.
Hopper Detection System: Infra Red encoded beam type.
Door Closed Detection: linterlocked safety door switch.
Panel Sealing: Protected to IP62.
Electrical Safety:

- Mains equipment enclosed in fully earthed metal case.
- Sealed plugs and entry points on mains leads to motor and supply.
- All control and sensor wiring is mains isolated.

Copyright

WARRANTY

Your StarLogixs PressMate Controller is guaranteed against faulty workmanship or components for a period of twelve months after the purchase date. For warranty contact your local sales agent with proof of purchase date.

This warranty does not cover damage or failure cause by or attributable to Acts of God, abuse, misuse, improper maintenance, lightning or other incidence of excessive voltage or any repairs other than those provided by an authorised StarLogixs service facility, or transportation costs.

StarLogixs is not responsible or liable for indirect, special, or consequential damages arising out of or in connection with the use or performance of the Controller or other damages with respect to any economic loss, loss of property, loss of revenues or profit, or cost of removal, installation or reinstallation.

There will be charges rendered for repairs to the product made after the expiration of the aforesaid twelve month warranty period.

- This warranty gives you specific legal rights and you may have other rights which vary from state to state.

☆ STARLOGIXS ®

27 Young Street
DEEPWATER. N.S.W. 2371 Australia
Phone: (02) 67 345 262 Fax: (02) 67 345 020
www.starlogixs.com