



Operating Manual

Moolarben PMC-R

Manual # EM027826 (MAN-000617)





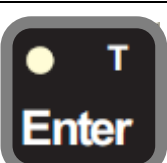

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Keyboard symbol	Idle mode	Work mode	Input mode
	Changes to next menu item	Changes to previous menu item	Changes to next menu item
	No function	Executes the function shown in the display (Deadman Key)	No function
	<u>Hot key:</u> Memory from last input	Executes the function shown in the display (Deadman Key)	No function
	Changes to right menu (View to SCU)	No function	Changes to right menu (View SCU)
	Display version	Remote distance	Enter key inserts manual inputs into the program
	Set or delete Travel Zone	No function	Input number 8

SHIELD CONTROL METHODS

- SRB Serial Tracking
- SRB Manual
- Batch or Group Functions
- Adjacent Automatic
- Manual Adjacent



Side Seal Retract.



Side Seal Extend.



Conveyor pullback deadman group.

If the key is released, the timer (the “mastertime“counter) starts from zero again. The function stops when the key is released (a Deadman function).

UNDERSTANDING THE OUTCOMES OF BANKPUSH DIRECTION SELECTION

When performing a Bankpush group function in either snake or taper mode it is important that the correct direction (< or >, toggled by the N key) is selected. The direction will determine which end of the group will try to meet the '**BP extens**' parameter value first.

The example below would shows typical values to perform a TG push.

Example 1.

BP: SNAKE	158	>	134
280	98	280	SA-Idle

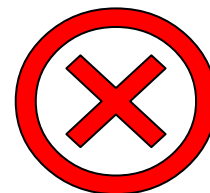


This shows a correctly selected direction, this is also the default direction as the system assumes that the operator wishes to work the snake towards him.

In the above example shield 158 ram stroke will attempt to meet the value of '**BP extens**'. A snake will be formed between 134 and shield 134 + '**BP snake**'. 134 + '**BP snake**' will target '**BP extens**' as its final ram stroke.

Example 2.

BP: SNAKE	158	<	134
280	98	280	SA-Idle



POSITIVE SET FUNCTION

Positive Set is a function that allows the roof support or shield to reset to the roof or set to the roof after a preset pressure is reached, approximately 120 Bar in most cases.

Positive Set is also used to maintain shield leg pressures within a defined pressure range once the shield has been properly set to the roof.

The positive set function monitors the hydraulic pressure in the shield leg and utilises timers to initiate the positive set function

Guaranteed Set

The guaranteed set uses the measured leg pressure in a shield and the measured system hydraulic pressure to calculate when to initiate the positive set. In a shield, if measured system pressure is greater than measured leg pressure + parameter PSA p.diff then the positive set activates.

Disabling Positive Set



DANGER: Positive Set must be turned off if there is poor roof over the rear of the support, or the support is used for maintenance purposes.



It is possible to switch the positive set ON or OFF by pressing

With a single push on key '0' it is possible to switch positive set ON, another push switches the positive set OFF on the support on which you are standing.



If the LED is On, positive set is ON.



If the LED is Off, positive set is OFF.



Note:The '0' key is intended to allow the operator to switch OFF PSA easily if a changing roof condition is noticed local to the shield that requires PSA to be turned off. If PSA is to be more permanently switched off in local shields it is recommended that the local parameter 'PSA' is switched OFF

It is possible to switch positive set ON or OFF on an adjacent group of shields by pressing



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