

ASPack 83/1.0/Manual

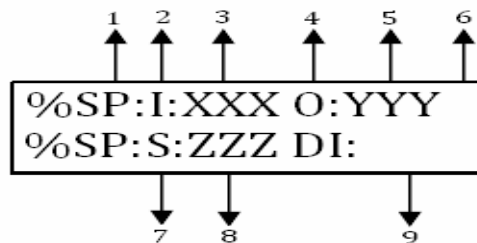
COMMISSIONING TIPS

Proper care must be taken during routing of Analog input /Analog output/Digital input cables as they should not be laid with other power cables like MAIN SUPPLY, AC drive INPUT & OUTPUT Cables etc.

Functional Description:

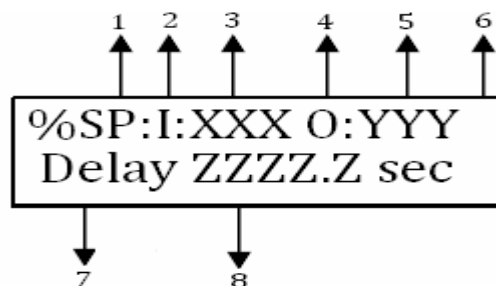
- At Power On "ASPack 83 Ver 1.0" message is displayed.

DISPLAY



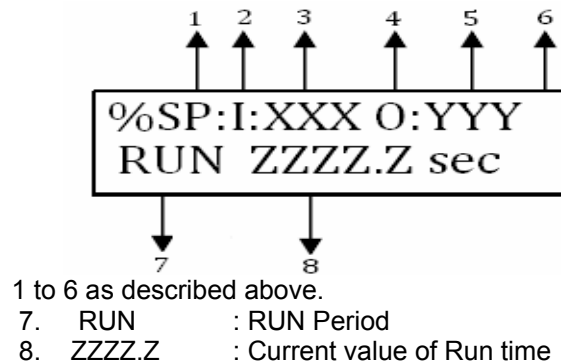
- | | | | |
|----|-----|---|--|
| 1. | %SP | : | % Speed |
| 2. | I | : | REGULAR SPEED (External Analog Input speed) |
| 3. | XXX | : | % Value of REGULAR SPEED |
| 4. | O | : | OUT SPEED (ANALOG OUTPUT VALUE) |
| 5. | YYY | : | % Value of OUT Speed |
| 6. | →/← | : | Direction of changing speed (acceleration/deceleration) |
| 7. | S | : | Thick/Thin Speed |
| 8. | ZZZ | : | % Value of Thick/Thin Speed |
| 9. | On | : | Digital Input is detected (input will not be consider During delay/run time). |
| | Off | : | Digital Input is off (before cycle is started or after cycle is completed). |

After getting the input display will be shown as per given below



- 1 to 6 as described below 1st diagram
- | | | | |
|----|--------|---|--------------------------------|
| 7. | Delay | : | Delay Period |
| 8. | ZZZZ.Z | : | Current value of delay on time |

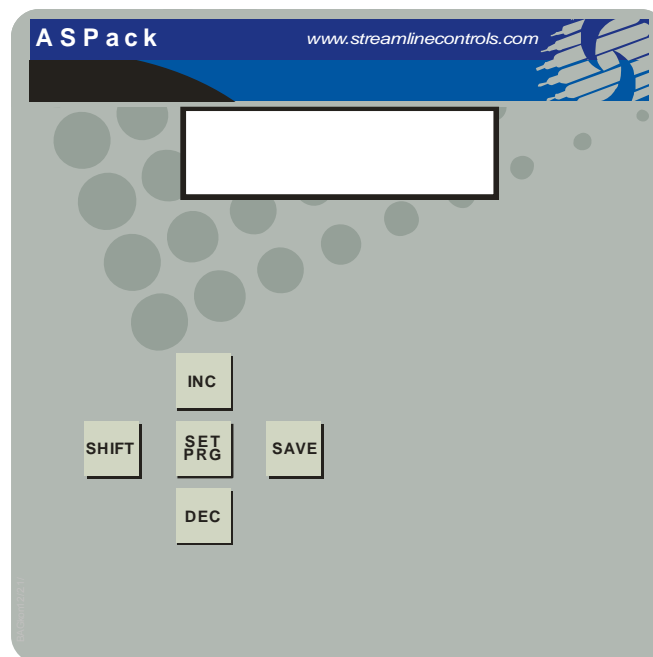
After delay time over display will be shown as per given below



FUNCTION

- In normal running condition (input is absent) **OUT SPEED** is equal to **REGULAR SPEED**.
- As soon as input is received **OUT SPEED** switches to Thick/Thin speed after a set delay (As per Acc. /Dec. time) and remains at thick/thin speed for run time duration, then reaches back to the regular speed (As per Acc. /Dec. time) before run time is over.

FRONT STICKER



KEY DISCRPTION

- SET PRG: To enter into the **PROGRAM MODE** and to come out of the PROGRAM MODE
 - INC : For incrementing digit value
 - DEC : For decrementing digit value
 - SHIFT : To shift cursor right by one position
 - SAVE : To save displayed parameter and switch to next parameter

Note: All the keys are used only for program mode.

HOW to PROGRAM

- Press SET PRG to enter Program mode.
- The upper line of LCD shows Parameter name and the lower line shows its value.
- Set the required value for that parameter using INC, DEC & SFT keys..
- Press Save key to save the displayed value and switch to next parameter.
- Press SET PRG key to exit Program mode.

Programmable parameters:

No.	Parameter Name	Range	Default Value
1	% Thick/Thin Speed	0 - 100	50
2	Acceleration time in seconds	00.01 - 99.99	10.00
3	Deceleration time in seconds	00.01 - 99.99	10.00
4	Delay time in seconds	0000.0 – 6000.0	0005.0
5	Run time in seconds	0000.0 – 6000.0	0030.0

Input – Output

Analog Input: REGULAR speed: 0 – 10V DC

Digital Input: NPN-NO Type

Note: Input can be activated by connecting to the respective GROUND (GND).

Analog Output: OUT speed: 0 – 10V DC (Speed reference out to AC drive).

Wiring diagram

