
Efka dc modular

CONTROL

PF72AV3043

Instruction manual for setting routine

SIR, DED and HIT

Introduction

In addition to the main programme 3 programming modes SIR, DED and HIT have been introduced in order to make the set-up and the use of the machine easier.

However as the usual programming process remains unchanged the use of SIR, DED and HIT is left to the operator's choice.

1) SIR: Speedy Installation Routine

Thanks to this routine the most important settings for starting the machine can be easily performed.

Nevertheless, it is still possible to programme as usual by entering a code number and addressing some parameters.

Call-in:

1. Press and hold pushbutton P then switch on power.

2. + (+ means: press pushbutton +)

+
|
┌───────────────────┐
| d E U - - U S A |
| E S P - - F r A |
└───────────────────┘

Select language

+ -

||
 E
|

┌───────────────────┐
| P o S i t i o n |
| 0 |
└───────────────────┘

Set basic position

(needle point at needle plate level)

Turn handwheel at least until

rotating marker on the display is gone.

||
 E
|

┌───────────────────┐
| P o S i t i o n |
| 1 |
| |
| 1 6 2 |
└───────────────────┘

Set position 1

Turn handwheel into desired position

or

Set the increments by pressing

+ -

||
next page

E

Position
2 4 6 0

Set position 2
Turn handwheel into desired position
or
Set the increments by pressing + -

E

Position
1 A 2 5 4

Set position 1A
(position for activation of pneumatic
thread trimmer)
Turn handwheel into desired position
or
Set the increments by pressing + -

E

Lo SPEED
n 1 0 1 8 0

Select position speed + -

E

hi SPEED
n 2 1 5 0 0

Select maximum speed + -

E

rotation
Mot 1

Select motor direction + -
1 = left 0 = right

E

5 0 0 0
P F 7 2 A v

Installation completed.
Machine ready for operation.

Start sewing before switching off!

Polyglot Displays

AEU

USA

ESP

FrA

Position
1]

Position
1]

Posición
1]

Position
1]

Position
Sr2

Position
Sr2

Posición
Sr2

Position
Sr2

niEdriG
n1 0180

Lo SPEED
n1 0180

VEL bAJA
n1 0180

vit LEnt
n1 0180

Ar drEHZ
n3 1500

bt SPEED
n3 1500

v rEMini
n3 1500

brid ini
n3 1500

Er drEHZ
h4 1500

bt SPEED
n4 1500

v rEMFin
n4 1500

brid Fin
n4 1500

hoch
n2 5000

hi SPEED
n2 5000

VEL ALtA
n2 5000

vit rAPi
n2 5000

SELEct
StP on

SELEct
StP on

SELEct
StP on

SELEct
StP on



drEHri
Mot 1

rotAtion
Mot 1

rotAcion
Mot 1

rotAtion
Mot 1

2) DED: Direct - Setting - Speed

By means of pushbuttons  and  the user can directly set the maximum speed.

The lower speed is limited to 400 RPM. The higher speed limit is the speed set in parameter F-111 or in the Speedy - Installation - Routine SIR.

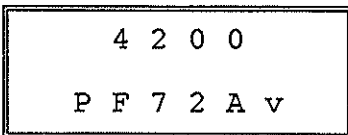
At machine standstill the Variocontrol display indicates the type of control as well as the speed set with DED.

Example:

Maximum speed in parameter F-111 = 5000 RPM

Speed set with DED = 4200 RPM

Display indicates:



3) HIT: Background - Information - Pushbuttons

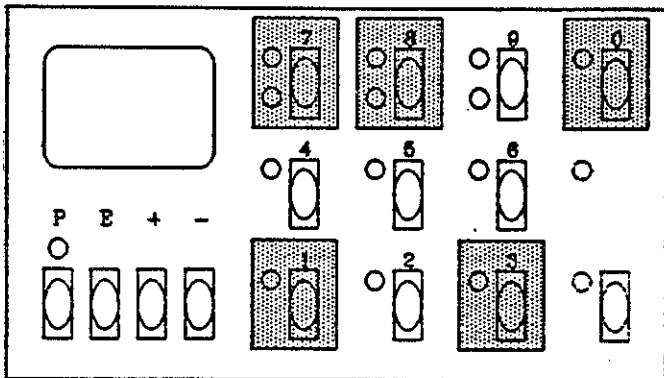
By connecting the functions with pushbuttons 1, 7, 8 and 0 the Variocontrol display gives the operator rapid information on the corresponding values for about 3.5 s.

Meantime, each value can be immediately modified with pushbuttons + and -.

During the modification the indication remains on the display.

If the value for a connected function has to be changed press the pushbutton a bit longer. At the same time the function is disconnected for a short while and then activated again. The display indicates now the value of the function.

Description of HIT function pushbuttons



Pushbutton	Function
0 =	Light barrier
1 =	Stitch counting
3 =	Programmed function
7 =	Initial backtack
8 =	Final backtack

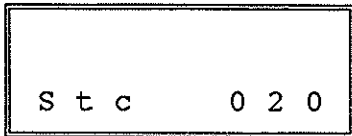
Example

How to increase the stitch counting from 20 to 25

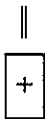
1. Function was disconnected



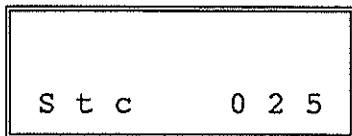
Press briefly pushbutton 1.
LED beside pushbutton 1 lights up.



Display indicates:
20 stitches are set



Press pushbutton +.



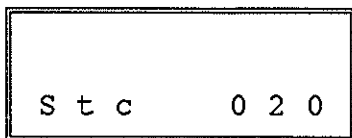
Display indicates:
25 stitches are set.

The indication on the display disappears after about 3.5 s.

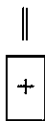
2. Function was connected



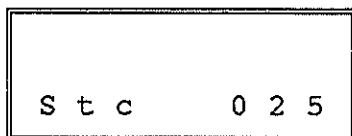
Press pushbutton 1 at least 1 s.
LED beside pushbutton 1 goes out and
immediately lights up again.



Display indicates:
20 stitches are set



Press pushbutton +.



Display indicates:
25 stitches are set.

The indication on the display disappears after about 3.5 s.

Start sewing before switching off!

Efka

FRANKL & KIRCHNER GMBH & CO KG

SCHEFFELSTRASSE 73 - POSTFACH 1320 - D-6830 SCHWETZINGEN
TEL: (06202)2020 - TELEFAX: (06202)202115 - TELEX: 466314

Efka

OF AMERICA INC.

3715 NORTHCREST ROAD - SUITE 10 - ATLANTA - GEORGIA 30340
PHONE: (404)457-7006 - TELEFAX: (404)458-3899 - TELEX: EFKA AMERICA 804494

Efka

ELECTRONIC MOTORS SINGAPORE PTE. LTD.

67, AYER RAJAH CRESCENT 05-03 - SINGAPORE 0513
PHONE: 7772459 or 7789836 - TELEFAX: 7771048