

Manual Feed For Dematrons

Requirements

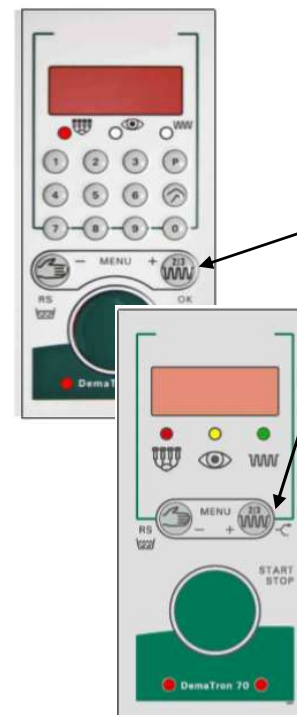
DP5.306.039 or later *(DP510.017 or later will have Manual feed setup in DPService)*

Device Software versions required

Dematron Software 9.25 or later

Feeder Module software FTM 7.6 or later

Once setup with Dairyplan Manual feed will work without PC or if PC fails
(DMS21 Gateway has to be functional for manual feed as it links
Dematrons(DPNet-B) to Dpnet feeder Modules (DPNet-A))



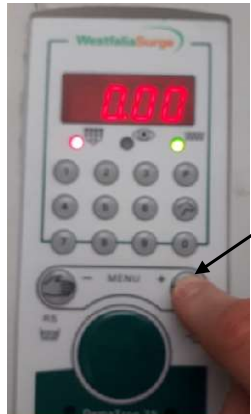
Short Press Normal sort gate or Stimulation

Long Press manual feed

See Dematron settings
050/999/012 =31 (side 1)
050/999/012 =32 (side 2)

For Swingover
050/999/012 =31

Manual Feed For Dematrons (Double Up parlour)



Long Press for manual feed
When Button released
Display shows

F00



Then Use R/H button to increase Feed
with short press's to increase the amount
in this example 2 Display shows

F02



Note

If Animal feed from Dairyplan is being dispensed
if you attempt Manual feed the manual feed will not dispensed

Manual feed for animal can only be activated
once Dairyplan ration has been dispensed

Up to 10 can be selected via keypad
Each press increases display by 1
When 10 is reached the next press rolls
display back to F00 which is ZERO feed

Manual Feed For Dematrons Swingover



Long Press for manual feed
When Button released
Display shows **F F**

Note

If Animal feed from Dairyplan is being dispensed
if you attempt Manual feed the manual feed will not dispensed

Manual feed for animal can only be activated
once Dairyplan ration has been dispensed



Press L/H Button for feed Left side
Display shows **F00**

Press R/H Button for Feed Right Side
Display Shows **00F**

Then Use R/H button to increase Feed with short press to
increase the amount, in this example 2

Up to 10 can be selected via keypad
Each press increases display by 1
When 10 is reached the next press rolls
display back to 00 which is ZERO feed

DPSetup Dematron settings

(setting entered into DPSetup manually)

Milking Control at Stalls - 1-2

General | Kick Off | Milking 1 | Milking 2 | Milking 3 | **Milk Finish Support** | Pulsation | Backflush
Blocking | Special Functions | Display | Cleaning | **Reserve-Parameter** | CIM | Inputs / Outputs

050/999/001	Prolongation of milking time	0
050/999/002	Height compansion for cluster support arm (PosiForm)	0
050/999/003	Detach compressed air controlled	0
050/999/004	Impulse control for cluster support arm (PosiForm)	0
050/999/005	Milking duration 2	0
050/999/006	Time Controlled detacher	0
050/999/007	Milking duration 3	0
050/999/008	Milking duration 4	0
050/999/009	Reserve-Parameter	0
050/999/010	Reserve-Parameter	0
050/999/011	Reserve-Parameter	0
050/999/012	Reserve-Parameter	31
050/999/013	Reserve-Parameter	0
050/999/014	Reserve-Parameter	0
050/999/015	Reserve-Parameter	0
050/999/016	Reserve-Parameter	0

Use standard settings

Select OK Cancel Help

Reserved Parameter 050/999/012
(this example = 31 Sort Key (side 1))

where **XX** is feed modules address for each side

1st side usually = 31

2nd side usually = 32

Swingover = 31

DPSetup Feed Module settings

(setting entered into DPSetup manually)

Feed Module address (1st side)
in this example is address **31**

Other Device Setup - 3

Feeder Output 5 | Feeder Output 6 | Reserve-Parameter | Reserve-Parameter
General | Feeder Output 1 | Feeder Output 2 | Feeder Output 3 | Feeder Output 4

Type of Device Device Number (within devices of same type)

40: Parlor Feeder Module

Assignment (to parlor side or other system part)
Parlor Side / Other System Part 1

Network Domain:Subnet:Node Address

Network Component Versions
Software-Version (neuron): 7.2
Neuron or Device ID 04.DB.A8.0A.07.00
ID String c6544d724009080f

0: Not yet tested

Number of pulses
per push of key / button

In this example $300/040/950 = 2$
If Push Key / Button three times
Dematron display shows 3
then $3 \times 2 = 6$
6 drops of feed

Other Device Setup - 3

General | Feeder Output 1 | Feeder Output 2 | Feeder Output 3 | Feeder Output 4
Feeder Output 5 | Feeder Output 6 | Reserve-Parameter | Reserve-Parameter

Parlor Feeder Module 1 Parlor side 1

300/040/950 Reserve-Parameter

300/040/960 Reserve-Parameter

300/040/970 Reserve-Parameter

300/040/980 Reserve-Parameter

300/040/990 Reserve-Parameter

Remember to set for all feed modules !

DPSetup Feeding in a row (Batch Manual Feed)

(setting entered into DPSetup manually)

additional settings required in Reserved parameter 300/040/980

Feeder Module software FTM 7.6 or later

Note

at present you can only have individual stall manual feed or Batch for whole side

When setup for Batch feed, when Keypad Buttons press instead of individual stall getting fed the Complete side gets fed, any keypad on same side of parlour can be used to start the batch feed

All Feeder Modules on **side one of parlour should have **31** entered in Reserved parameter **300/040/980****

Other Device Setup - 3

General | Feeder Output 1 | Feeder Output 2 | Feeder Output 3 | Feeder Output 4 | Feeder Output 5 | Feeder Output 6 | Reserve-Parameter | Reserve-Parameter

Parlor Feeder Module 1 Parlor side 1

300/040/950 Reserve-Parameter	2
300/040/960 Reserve-Parameter	0
300/040/970 Reserve-Parameter	0
300/040/980 Reserve-Parameter	31
300/040/990 Reserve-Parameter	0

Use standard settings

Select OK Cancel Help

All Feeder Modules on **side two of parlour should have **32** entered in Reserved parameter **300/040/980****

Other Device Setup - 5

General | Feeder Output 1 | Feeder Output 2 | Feeder Output 3 | Feeder Output 4 | Feeder Output 5 | Feeder Output 6 | Reserve-Parameter | Reserve-Parameter

Parlor Feeder Module 3 Parlor side 2

300/040/950 Reserve-Parameter	2
300/040/960 Reserve-Parameter	0
300/040/970 Reserve-Parameter	0
300/040/980 Reserve-Parameter	32
300/040/990 Reserve-Parameter	0

Use standard settings

Select OK Cancel Help

DPSERVICE parlour settings

Using DP Version 5.310.017 & later the setup is now more automated

Configuration Properties Milk Parlour

400/180/050 = Yes

This sets the values in Dematron's & feeder module

Properties	
Milk parlor 1	
- General	
400/180/004 - Parlor Description	
400/180/009 - Parlor Type	Group Parlor
400/180/011 - Gate Control	Manual Gate Control
400/180/023 - Milk Control Unit Type	Dematron 70
400/180/012 - SwingOver	Not active
400/180/005 - Number parlor sides	2
099/990/742 - Standby Module Present?	Yes
400/180/020 - Feeding	Yes
400/180/007 - Number of motors per stall	1
400/180/050 - Manual feeding with Dematron	Yes
400/180/051 - Manual feed drop in a row	No
- Parlor ID	
400/180/021 - Parlor ID type	VC3 / VC4 ID
999/990/054 - VC4/VC3 ID Mode	14: FGM; SBS Walk through (VC4/3)
- Additional settings	
999/990/053 - Distribute rinsing cycle times for milk control units	Yes
999/991/308 - Stripping control	No Stripping Control
999/991/309 - Cup disinfection	No
400/180/019 - Kick Off	No
- Cluster Functions	
050/105/010 - Cluster down after detach	No

These Dematron setting now set automatically once manual feed is selected in Parlour Configuration

Setup Properties Milk Control

Service 050/999/012

This is feed modules address for each side

Swingover = 31

Double up parlour

1st side usually = 31

2nd side usually = 32

Properties

Milk Control Units 1

050/040/132 - Rapid Vent Only During Attach	No
050/040/133 - Delay Time Rapid Vent (s)	0.0
050/999/009 - Detach according to target milk amount	Attention before Milking
- Service	
050/040/100 - Lower Milk unit for Wash (F1 Button)	No
050/040/120 - Central switch to milk	No
050/010/062 - Central switch to wash	No
050/010/063 - Switch to Wash by Remote Start	No
040/000/060 - Function of Select Button (S21, Dematron)	Selection
040/000/070 - Enter number of new group instead of animal number	No
050/999/012 - Manual feeding with Dematron	31
- Display	

DPSERVICE Feed Module settings (DP Version 5.310.017 & later)

Properties

Parlor Feeder Module 3

- Barn No.: 1 Feeder Output: 1

300/040/011 - Portion Weight [kg]	0.000
300/040/012 - Pause Times	2.0
300/040/013 - Delay Time First Feed Portion	10.0

- Barn No.: 2 Feeder Output: 1

300/040/021 - Portion Weight [kg]	0.000
300/040/022 - Pause Times	2.0
300/040/023 - Delay Time First Feed Portion	10.0

- Barn No.: 3 Feeder Output: 1

300/040/031 - Portion Weight [kg]	0.000
300/040/032 - Pause Times	2.0
300/040/033 - Delay Time First Feed Portion	10.0

- Barn No.: 4 Feeder Output: 1

300/040/041 - Portion Weight [kg]	0.000
300/040/042 - Pause Times	2.0
300/040/043 - Delay Time First Feed Portion	10.0

- Barn No.: 5 Feeder Output: 1

300/040/051 - Portion Weight [kg]	0.000
300/040/052 - Pause Times	2.0
300/040/053 - Delay Time First Feed Portion	10.0

- Barn No.: 6 Feeder Output: 1

300/040/061 - Portion Weight [kg]	0.000
300/040/062 - Pause Times	2.0
300/040/063 - Delay Time First Feed Portion	10.0

- Device Parameters (Configuration data)

300/040/102 - Impulse duration special feed motors [sec]	0.0
300/040/103 - Basic feed ration [kg] (fed at first motor)	0.000
300/040/950 - Feed type 1: Number of feed portions per feed pulse	1
300/040/960 - Feed type 2: Number of feed portions per feed pulse	0
300/040/970 - Feed type 3: Number of feed portions per feed pulse	0
300/040/980 - Manual feed drop in a row	0
300/040/930 - Reserve-Parameter	100
300/040/940 - Reserve-Parameter	100
300/040/990 - Reserve-Parameter	100

Number of pulses
per push of key / button

In this example 300/040/950 = 1
If Push Key / Button three times
Dematron display shows 3
then $3 \times 1 = 3$
3 drops of feed

Remember to set for all feed modules !

DPSERVICE Feeding in a row (Batch Row Manual Feed) (DP Version 5.310.017 & later)

Note

at present you can only have individual stall manual feed or Batch for whole side

When setup for Batch feed, when Keypad Buttons press instead of individual stall getting fed the Complete side gets fed, any keypad on same side of parlour can be used to start the batch feed

Configuration Properties Milk Parlour

400/180/050 = Yes *Manual Feed With Dematron*

400/180/051 = Yes *Manual Feed drop in row*

This sets the values in Dematron's & feeder module

Properties Milk parlor 1

General	
400/180/004 - Parlor Description	
400/180/009 - Parlor Type	Group Parlor
400/180/011 - Gate Control	Manual Gate Control
400/180/023 - Milk Control Unit Type	Dematron 70
400/180/012 - SwingOver	Not active
400/180/005 - Number parlor sides	2
099/990/742 - Standby Module Present?	Yes
400/180/020 - Feeding	Yes
400/180/007 - Number of motors per stall	1
400/180/050 - Manual feeding with Dematron	Yes
400/180/051 - Manual feed drop in a row	Yes
Parlor ID	
400/180/021 - Parlor ID type	VC3 / VC4 ID
999/990/054 - VC4/VC3 ID Mode	14: FGM; SBS Walk through (VC4/3)
Additional settings	
999/990/053 - Distribute rinsing cycle times for milk control units	Yes
999/991/308 - Stripping control	No Stripping Control
999/991/309 - Cup disinfection	No
400/180/019 - Kick Off	No
Cluster Functions	
050/105/010 - Cluster down after detach	No