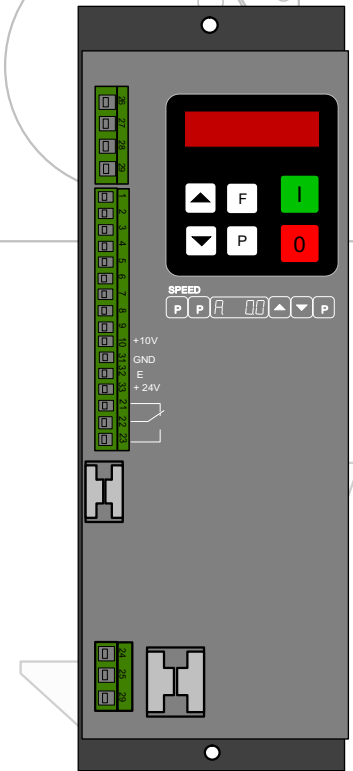
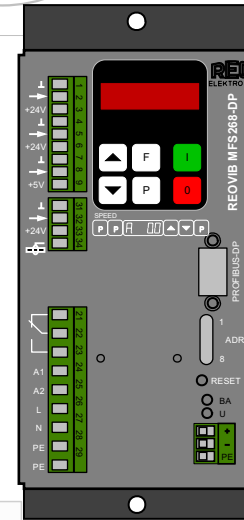
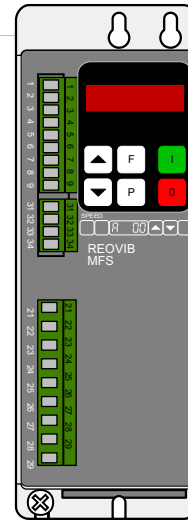
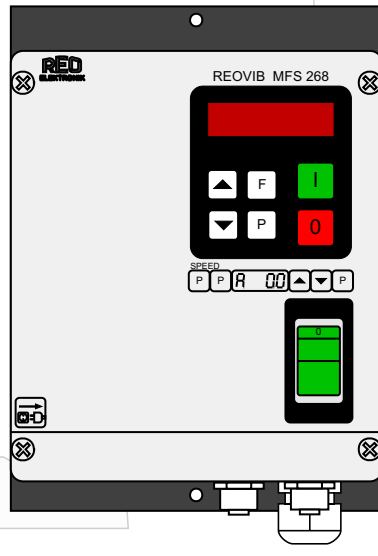
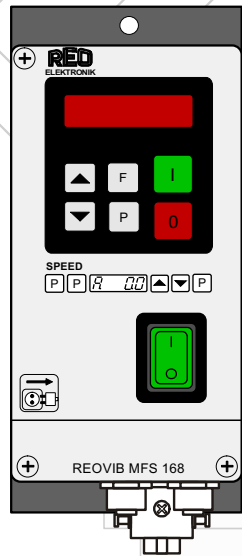
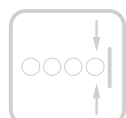
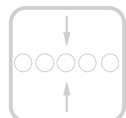


Range REOVIB MFS

Frequency controllers for vibratory feeders

Operating features and application examples

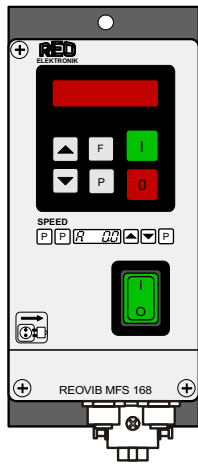


The REOVIB MFS range of frequency controllers for vibratory feeders

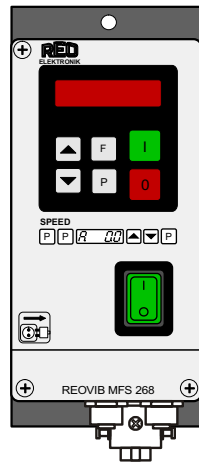
REOVIB MFS is an extensive range of frequency controllers for vibratory feeders. The control units generate an output frequency independent of the mains frequency to drive the vibratory feeder. The drive frequency rate is adjustable within the frequency range of the controllers, to suit the vibratory feeder. These controllers are available as stand-alone units with IP54 rating designed for direct mounting onto a feeder station and as panel mounted units with IP20 rating.

All settings for these digital units are adjustable from outside the enclosure by means of buttons and a LED display. Therefore, there is no need to open the enclosure.

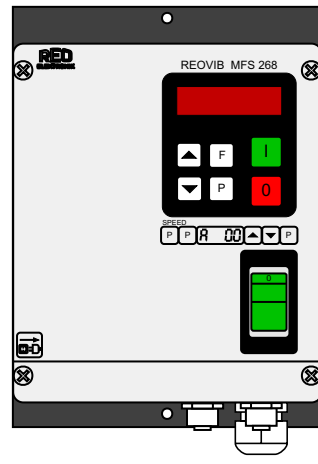
IP 54 protected stand-alone units



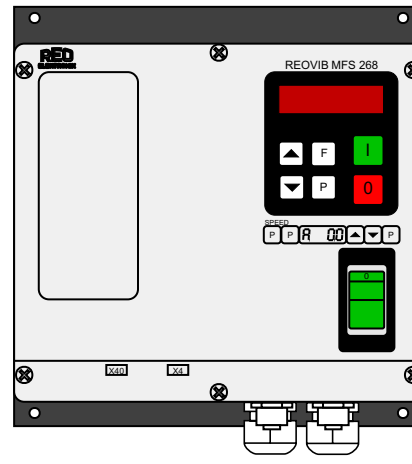
REOVIB
MFS 168
3A, 6A, 8A



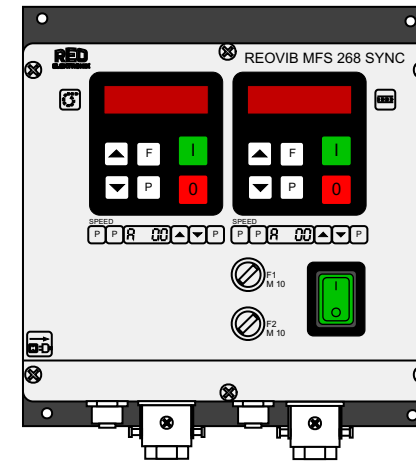
REOVIB
MFS 268
3A, 6A, 8A



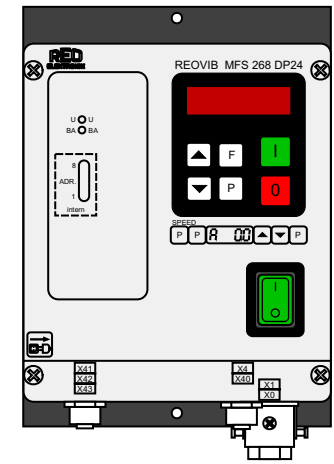
REOVIB
MFS 268
12 A



REOVIB
MFS 268
16 A



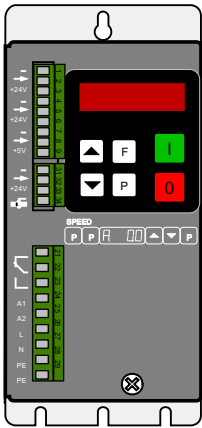
REOVIB MFS 268 SYNC
2-Channel Controller
Synchronizable frequency
2 x 6 A



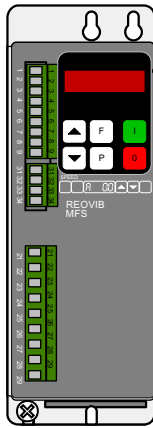
REOVIB MFS 268 with
Profibus-DP interface
DeviceNet interface
6A

The REOVIB MFS range of frequency controllers for vibratory feeders

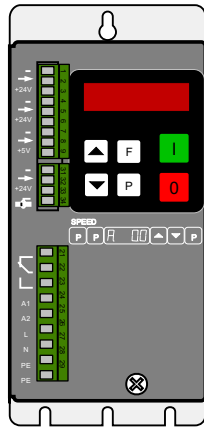
IP20 protected Panel mounted units



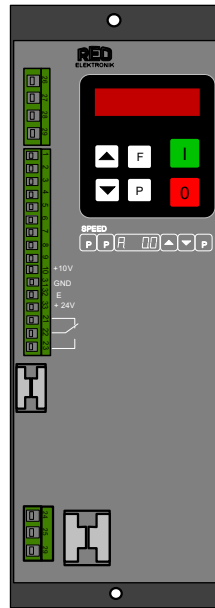
REOVIB
MFS 168
3 A, 6 A, 8 A



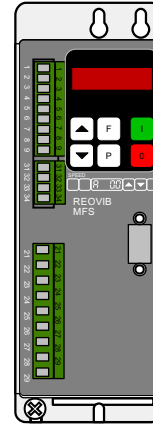
REOVIB
MFS 268
3 A, 6 A



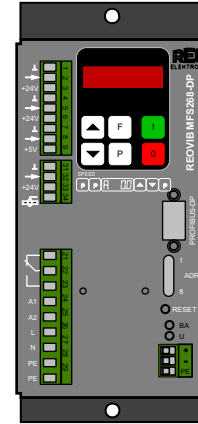
REOVIB
MFS 268
8 A



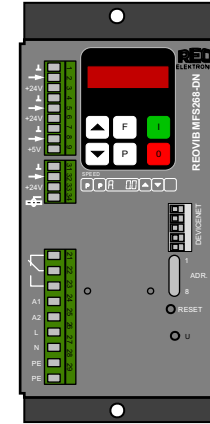
REOVIB
MFS 268
16 A



REOVIB
MFS 268
with RS 232
interface
3 A, 6 A

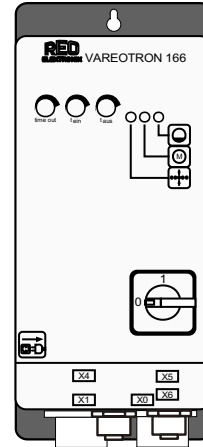
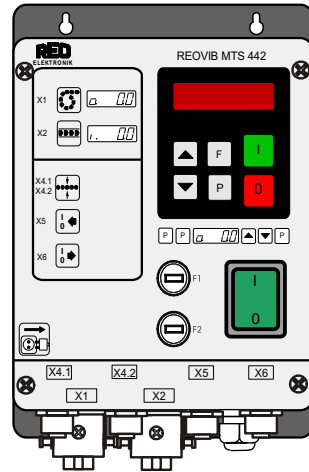
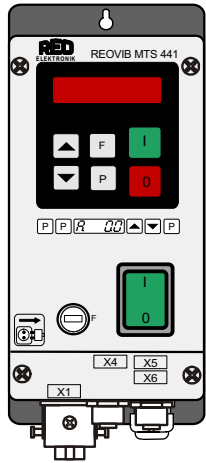


REOVIB
MFS 268 with
Profibus-DP
interface
3 A, 6 A

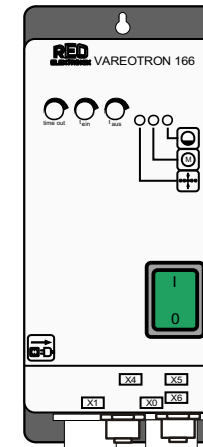


REOVIB
MFS 268 with
DeviceNet
interface
3 A, 6 A

Add-on units:



Controller, with motor protection, for belt hopper with 3-phase or single-phase motor



Controller for belt hopper with 24 V, DC motor

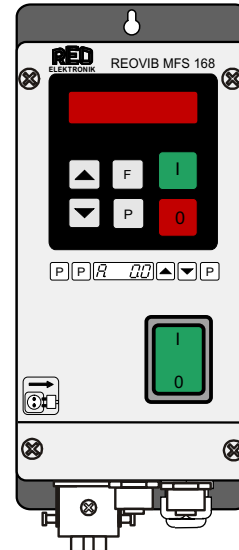
Mountings:
Aluminium profile mounting rail



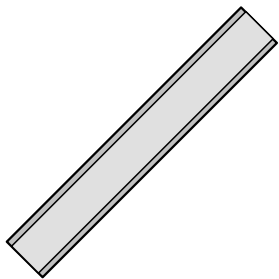
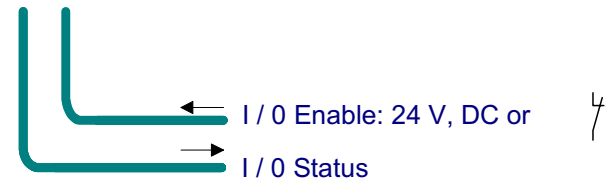
REOVIB MFS 168

Frequency controller
for vibratory feeders

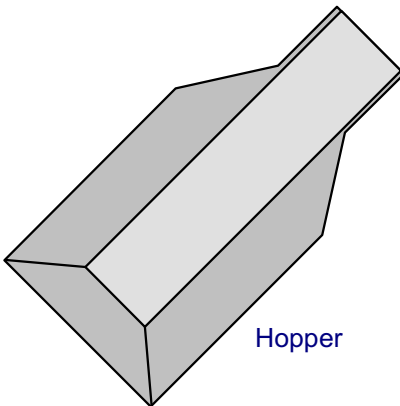
Basic version



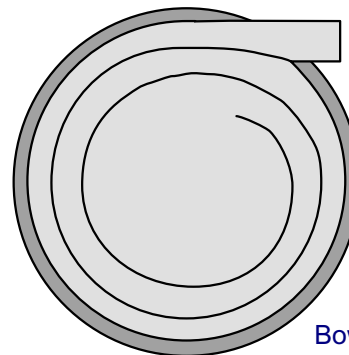
Input
1 AC, L, N, PE
110 V / 240 V



Linear feeder



Hopper



Bowl feeder

Output: 0... 100 V
0... 210 V
0... 6 A max.

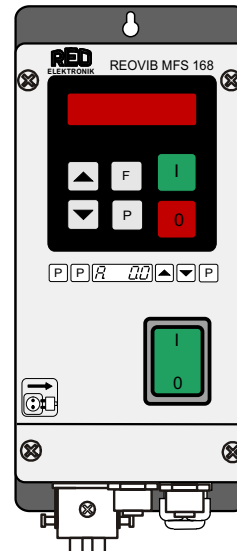
Vibrating frequency: 30...140 Hz

Soft start:  Ramp

REOVIB MFS 168

Frequency controller
for vibratory feeders

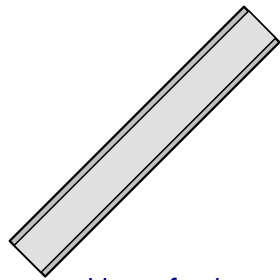
With integrated track control



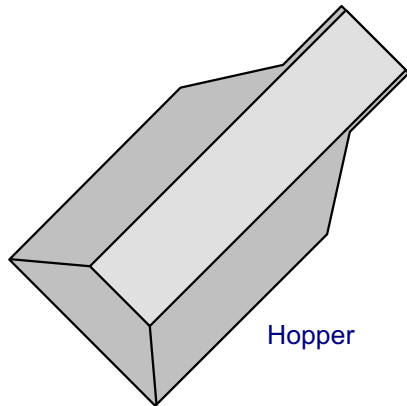
Input
1 AC, L, N, PE
110 V / 240 V

PNP Sensor 24 V, DC

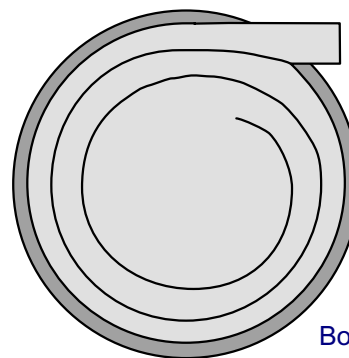
I/O Enable: 24 V, DC or
I/O Status



Linear feeder



Hopper



Bowl feeder

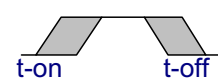
Output: 0... 100 V
0... 210 V
0... 6 A max.

Vibrating frequency: 30...140 Hz

Soft start:



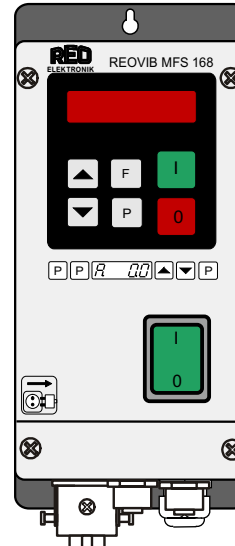
Track control:



REOVIB MFS 168

Frequency controller
for vibratory feeders

With integrated track control
and amplitude regulation



Input
1 AC, L, N, PE
110 V / 240 V

PNP Sensor 24 V, DC

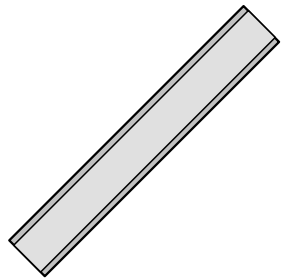
Accelerometer



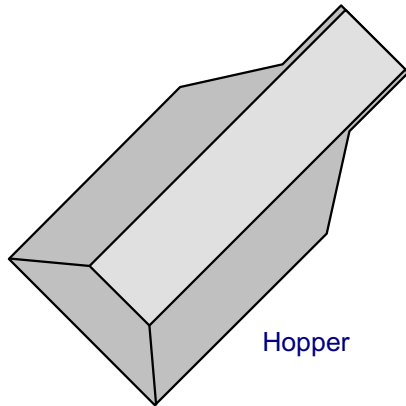
I / O Enable: 24 V, DC or

I / O Status

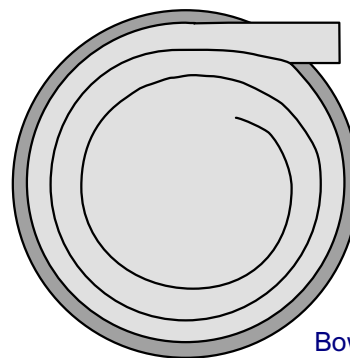
4



Linear feeder



Hopper



Bowl feeder

Output: 0... 100 V
0... 210 V
0... 6 A max.

Vibrating frequency: 30...140 Hz

Soft start: Ramp

Track control: t-on t-off

REOVIB MFS 268

Frequency controller for vibratory feeders

With integrated track control and amplitude regulation
Wider frequency range: 5...300 Hz
Adjustable current limit
Ability to communicate (option)

Input
1 AC, L, N, PE
110 V / 240 V

PNP Sensor 24 V, DC

Accelerometer

24 V output - solenoid valve

I / O Enable: 24 V, DC or

I / O Status

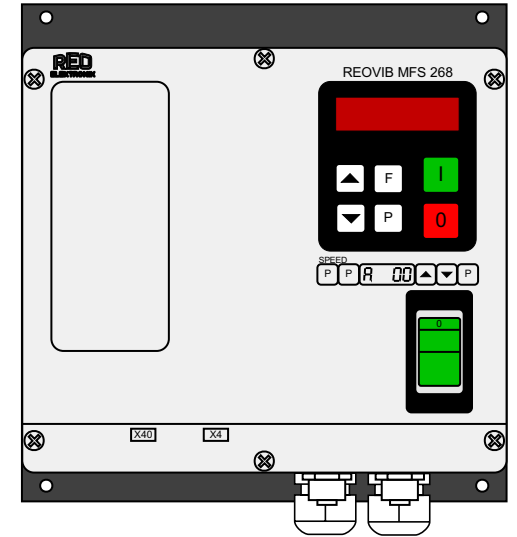
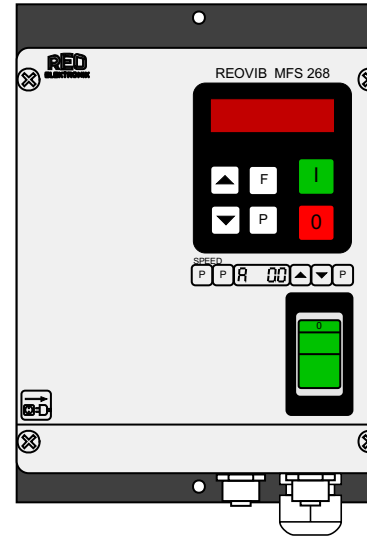
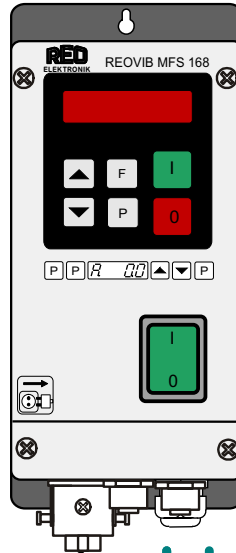
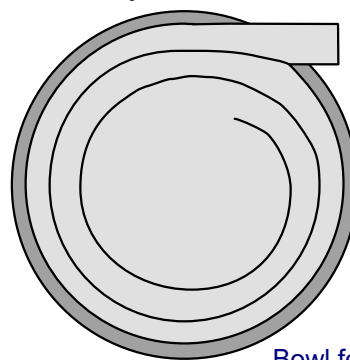
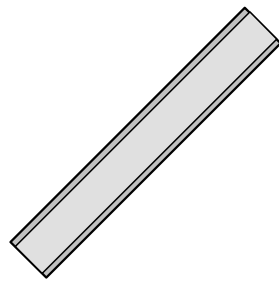
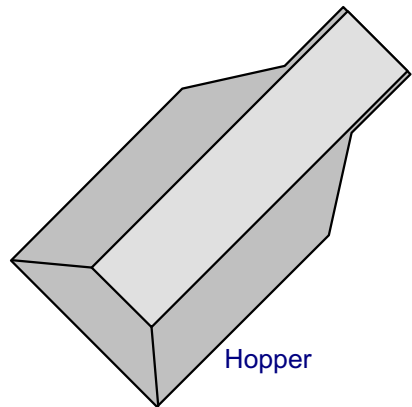
Time out 1: 24 V, DC (empty signal)

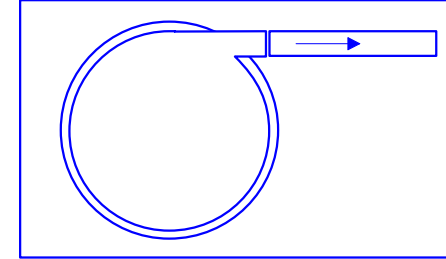
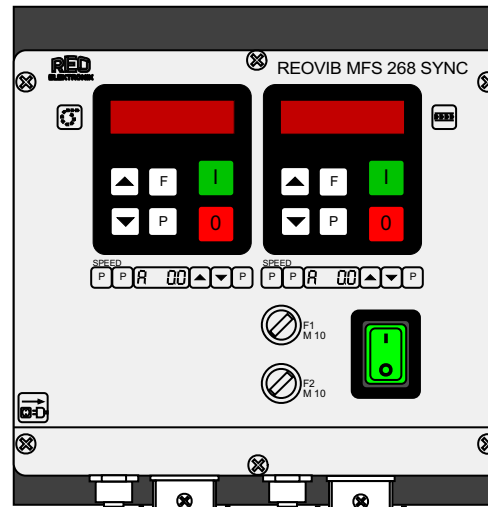
Output: (0... 100 V) / 0... 210 V
3 A, 6 A, 8 A, 12 A, 15 A max.

Vibrating frequency: 30...140 Hz (5... 300 Hz)

Soft start: Ramp

Track control: t-on t-off



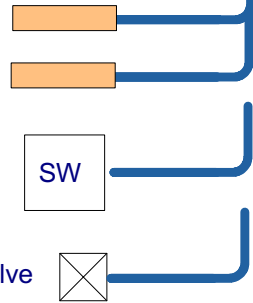


PNP Sensor 24 V, DC

PNP Sensor 24 V, DC

Accelerometer

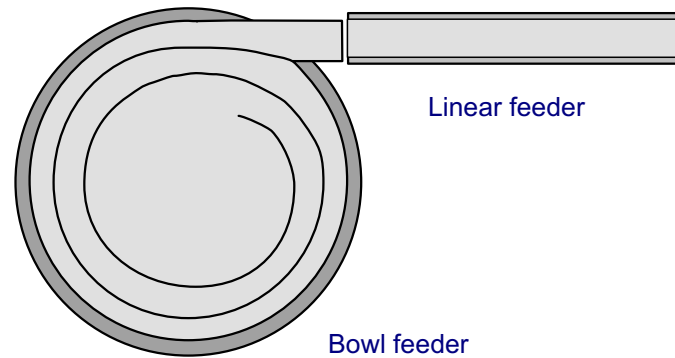
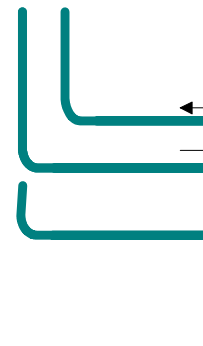
24 V output - solenoid valve



I / O Enable: 24 V, DC or 4

I / O Status

Time out 1: 24 V, DC (empty signal)



Output: 2 x (0... 100 V) / 0... 210 V
2 x 6 A max.

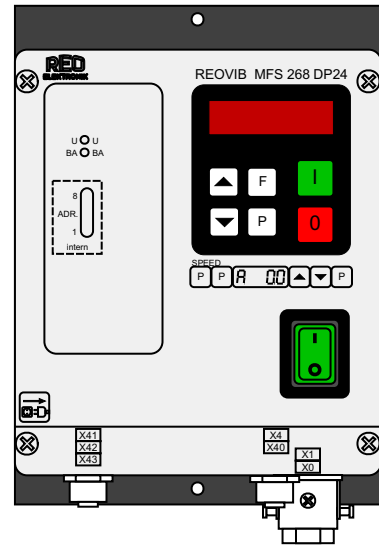
Vibrating frequency: 30...140 Hz (5... 300 Hz)

Soft start: Ramp

Track control: t-on t-off

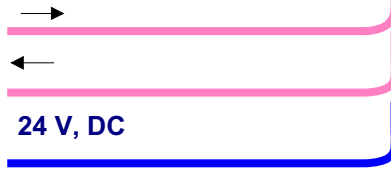
Bowl feeder

Linear feeder



Input
1 AC, L, N, PE
110 V / 240 V

Profibus-DP



24 V, DC

I / O Enable: 24 V, DC or \perp

I / O Status

PNP Sensor 24 V, DC

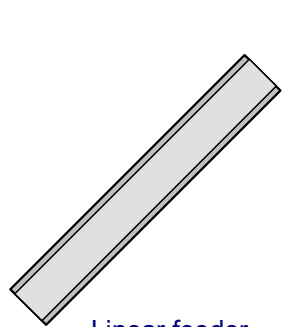
Accelerometer

Output: (0... 100 V) 0... 210 V
0... 6 A max.

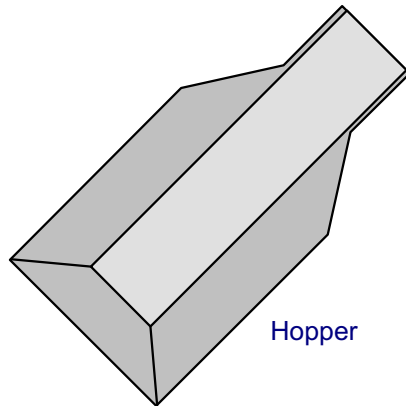
Vibrating frequency: 30...140 Hz

Soft start: Ramp

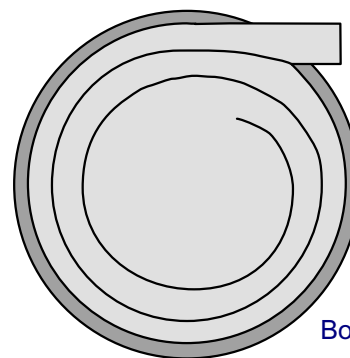
Track control: t-on t-off



Linear feeder



Hopper




Bowl feeder

REOVIB MFS 168

Frequency controller
for vibratory feeders

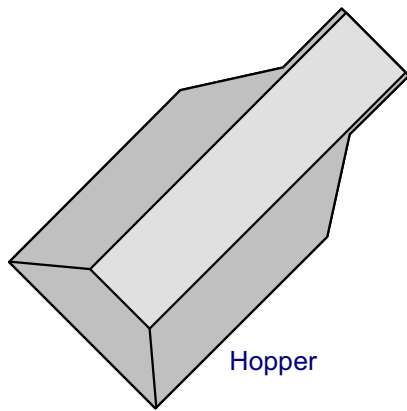
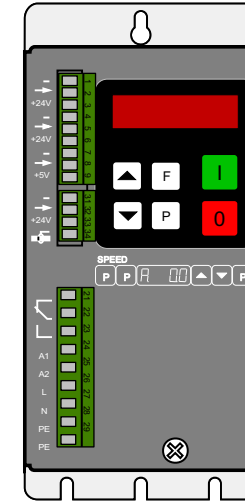
Basic version

0...+10 V, DC / 0(4)...20mA / 
→ I / O Enable: 24 V, DC or 4

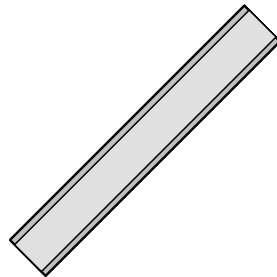
← I / O Status

Input: 110 / 240 V, 50/60 Hz
1 AC, PE

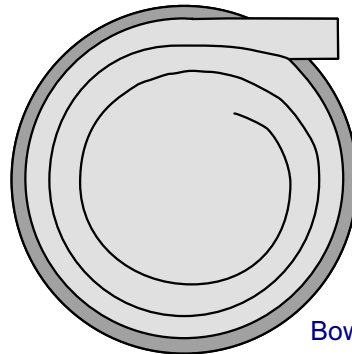
Output: (0... 100 V) / 0... 210 V
3 A, 6 A, 8 A max.



Hopper



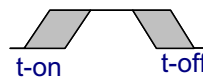
Linear feeder



Bowl

Vibrating frequency: 30...140 Hz

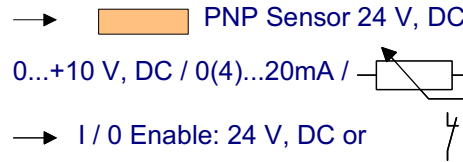
Soft start:  Ramp

Track control:  t-on t-off

REOVIB MFS 168

Frequency controller
for vibratory feeders

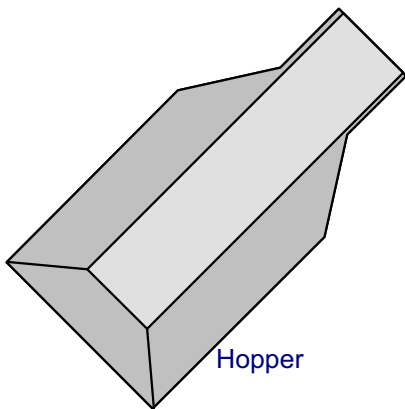
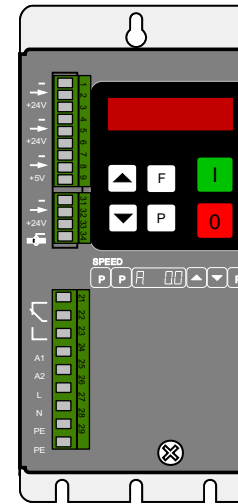
With integrated track control



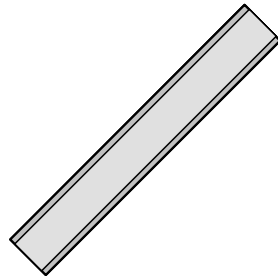
← I / O Status

Input: 110 / 240 V, 50/60 Hz
1 AC, PE

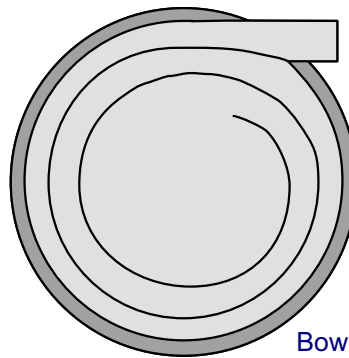
Output: (0... 100 V) / 0... 210 V
3 A, 6 A, 8 A max.



Hopper




Linear feeder



Bowl feeder

Vibrating frequency: 30...140 Hz

Soft start:  Ramp

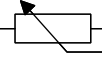
Track control:  t-on t-off

REOVIB MFS 168


Frequency controller
for vibratory feeders

With integrated track control and
amplitude regulation

→  PNP Sensor 24 V, DC

0...+10 V, DC / 0(4)...20mA / 

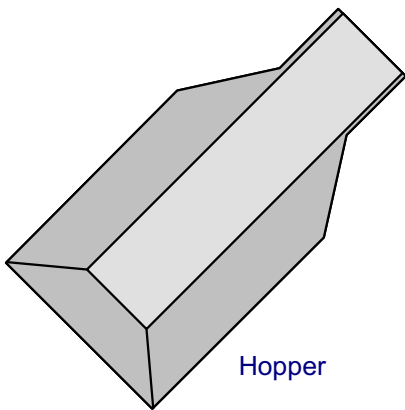
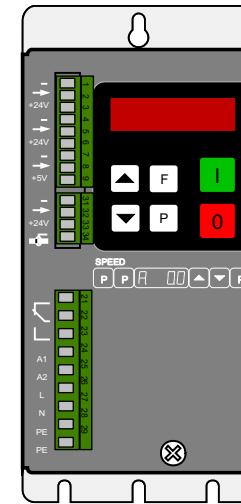
→ I / O Enable: 24 V, DC or 

→  SW Accelerometer

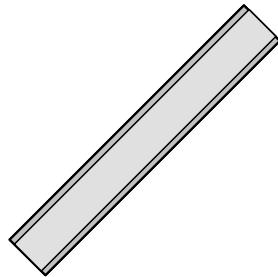
← I / O Status

Input: 110 / 240 V, 50/60 Hz
1 AC, PE

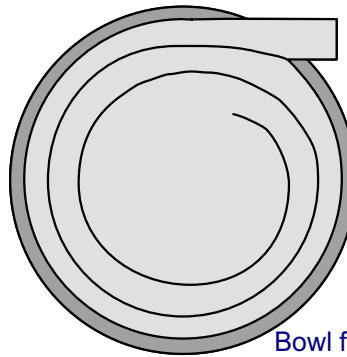
Output: (0... 100 V) / 0... 210 V
3 A, 6 A, 8 A max.



Hopper




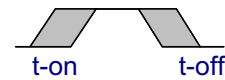
Linear feeder



Bowl feeder

Vibrating frequency: 30...140 Hz





Soft start:  Ramp

Track control:  t-on t-off

REOVIB MFS 268

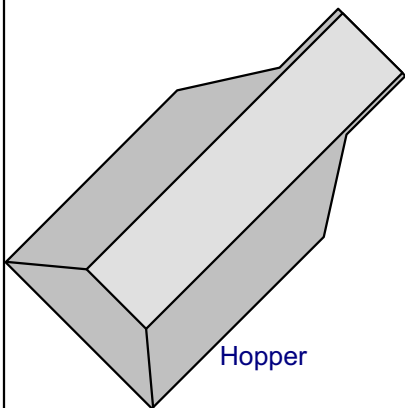
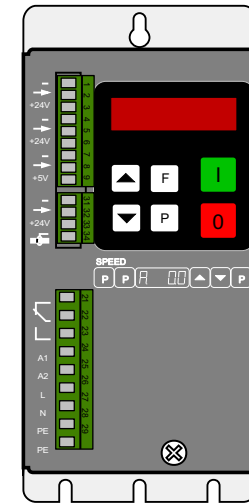
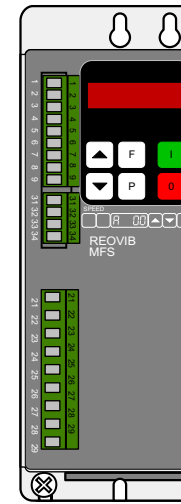
Frequency controller
for vibratory feeders

With integrated track control and
amplitude regulation
Adjustable current limit

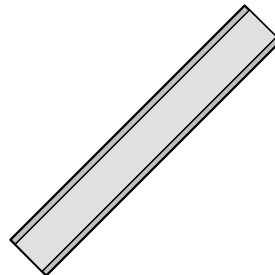
-  PNP Sensor 24 V, DC
0...+10 V, DC / 0(4)...20mA / 
- I / O Enable: 24 V, DC or 
-  Accelerometer
- ← I / O Status

Input: 110 / 240 V, 50/60 Hz
1 AC, PE

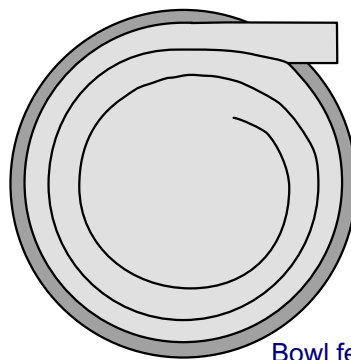
Output: (0... 100 V) / 0... 210 V
3 A, 6 A, 8 A max.



Hopper



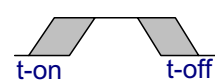
Linear feeder



Bowl feeder

Vibrating frequency: 30...140 Hz (5... 300 Hz)

Soft start:  Ramp

Track control:  t-on t-off


REOVIB MFS 268

Frequency controller for vibratory feeders


With integrated track control and amplitude regulation
Adjustable current limit

Input: 110 / 240 V, 50/60 Hz
1 AC, PE

→  PNP Sensor 24 V, DC

0...+10 V, DC / 0(4)...20mA / 


→ I / O Enable: 24 V, DC or 

→  Accelerometer

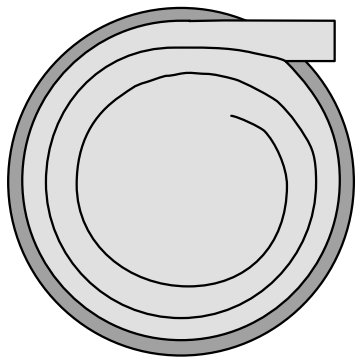
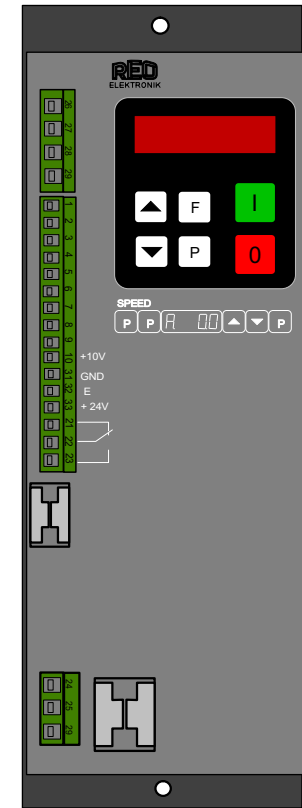
← I / O Status

Output: (0... 100 V) / 0... 210 V
3 A, 6 A, 8 A max.

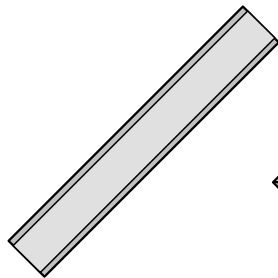
Vibrating frequency: 30...140 Hz (5... 300 Hz)

Soft start: 

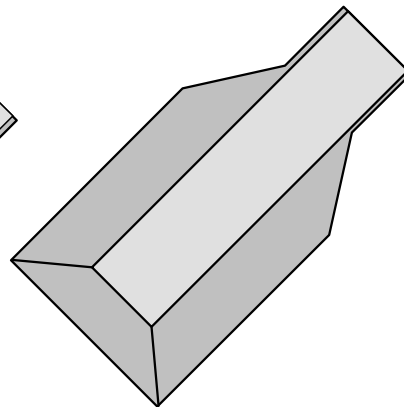
Track control: 



Bowl feeder



Linear feeder




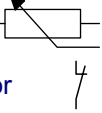

Hopper

REOVIB MFS 268

Frequency controller for vibratory feeders

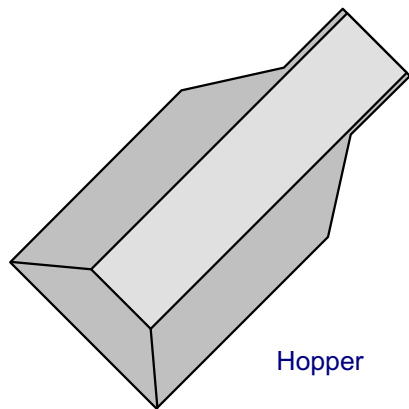
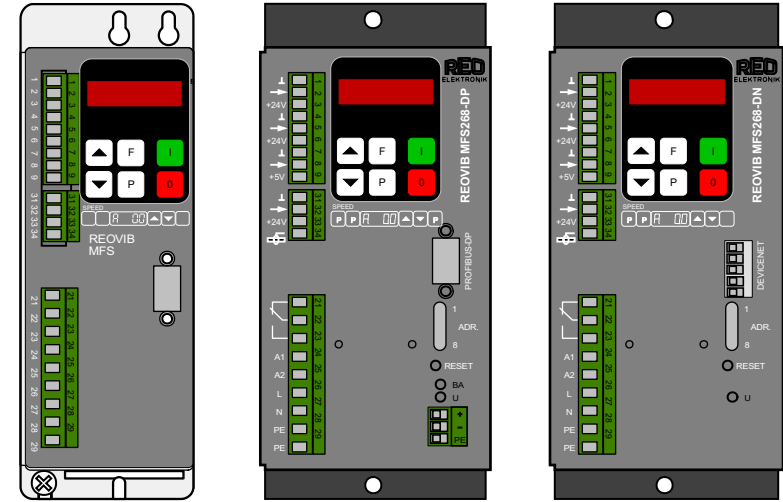
With integrated track control and amplitude regulation
Adjustable current limit

Ability to communicate via field bus interface
PROFIBUS-DP
DeviceNet
RS 232

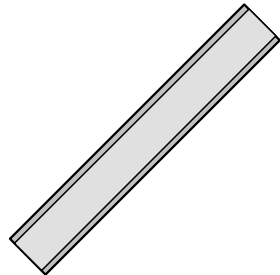
-  PNP Sensor 24 V, DC
0...+10 V, DC / 0(4)...20mA
- I / O Enable: 24 V, DC or 
-  Accelerometer
- ← I / O Status

Input: 110 / 240 V, 50/60 Hz
1 AC, PE

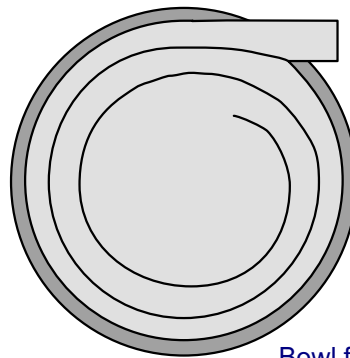
Output: (0... 100 V) / 0... 210 V
3 A, 6 A, 8 A max.



Hopper




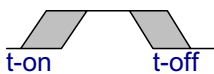
Linear feeder



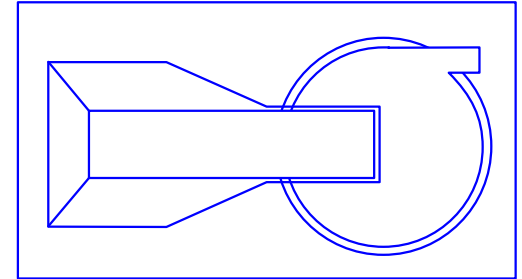
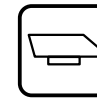
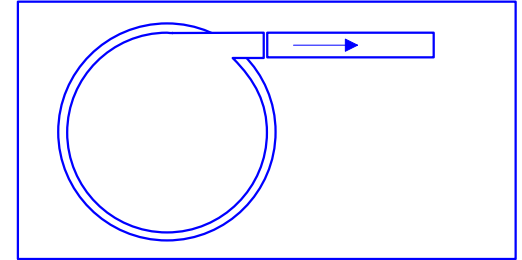
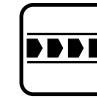
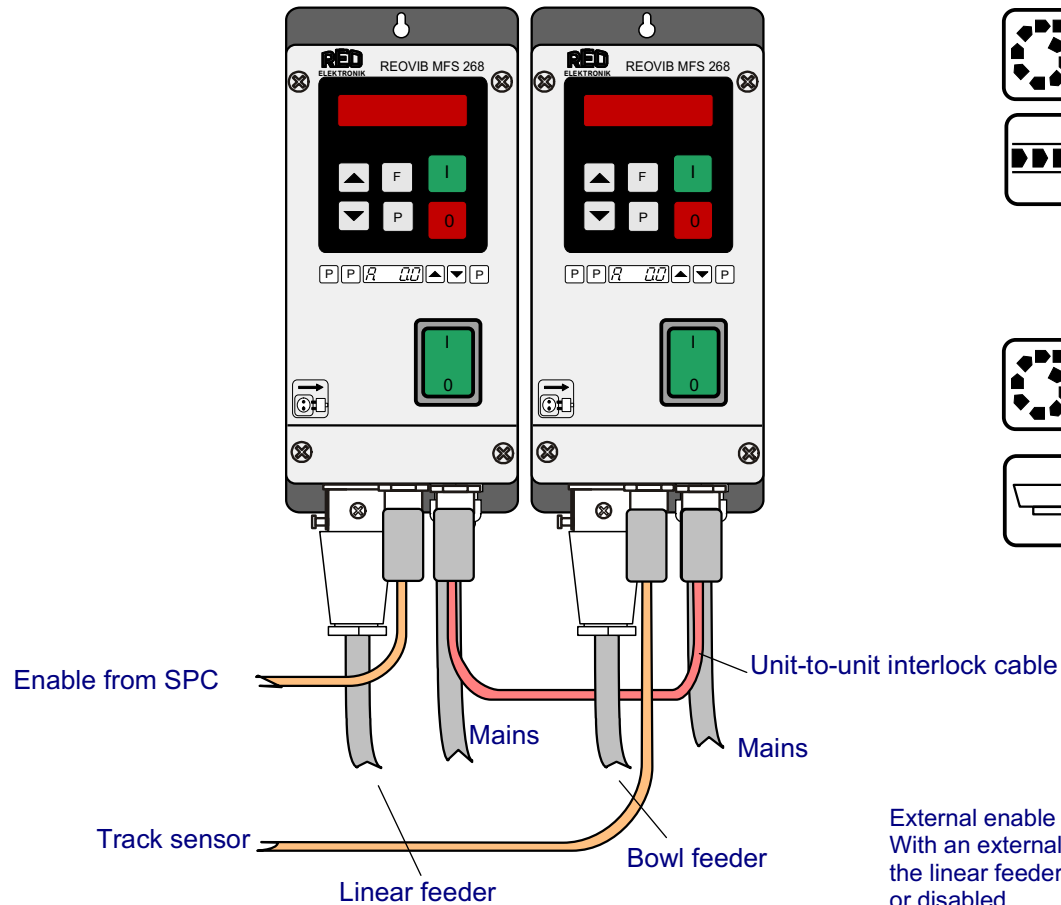
Bowl feeder

Vibrating frequency: 30...140 Hz (5... 300 Hz)

Soft start:  Ramp

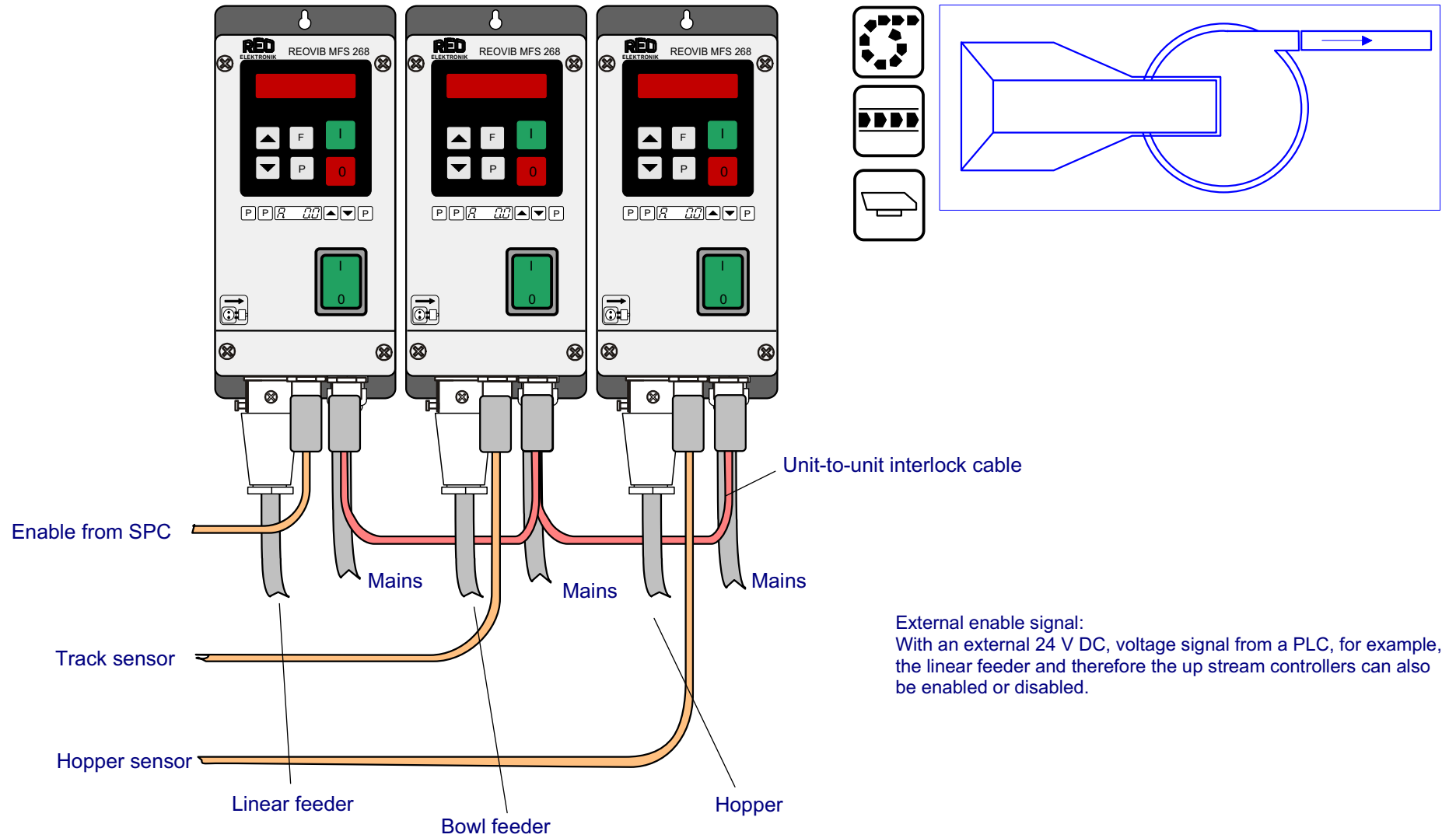
Track control:  t-on t-off

REOVIB MFS 268 for bowl feeder and linear feeder or for bowl feeder and hopper

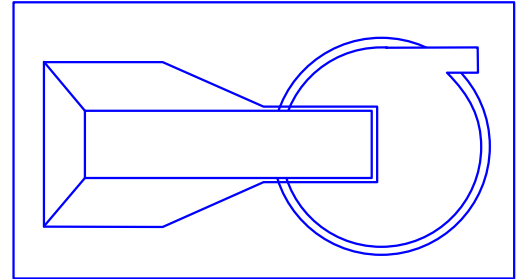
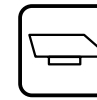
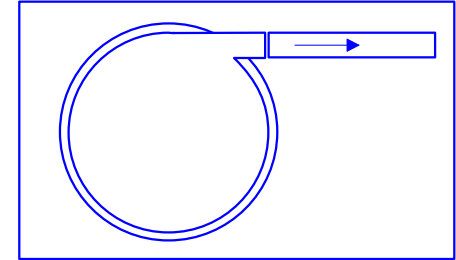
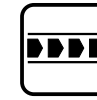
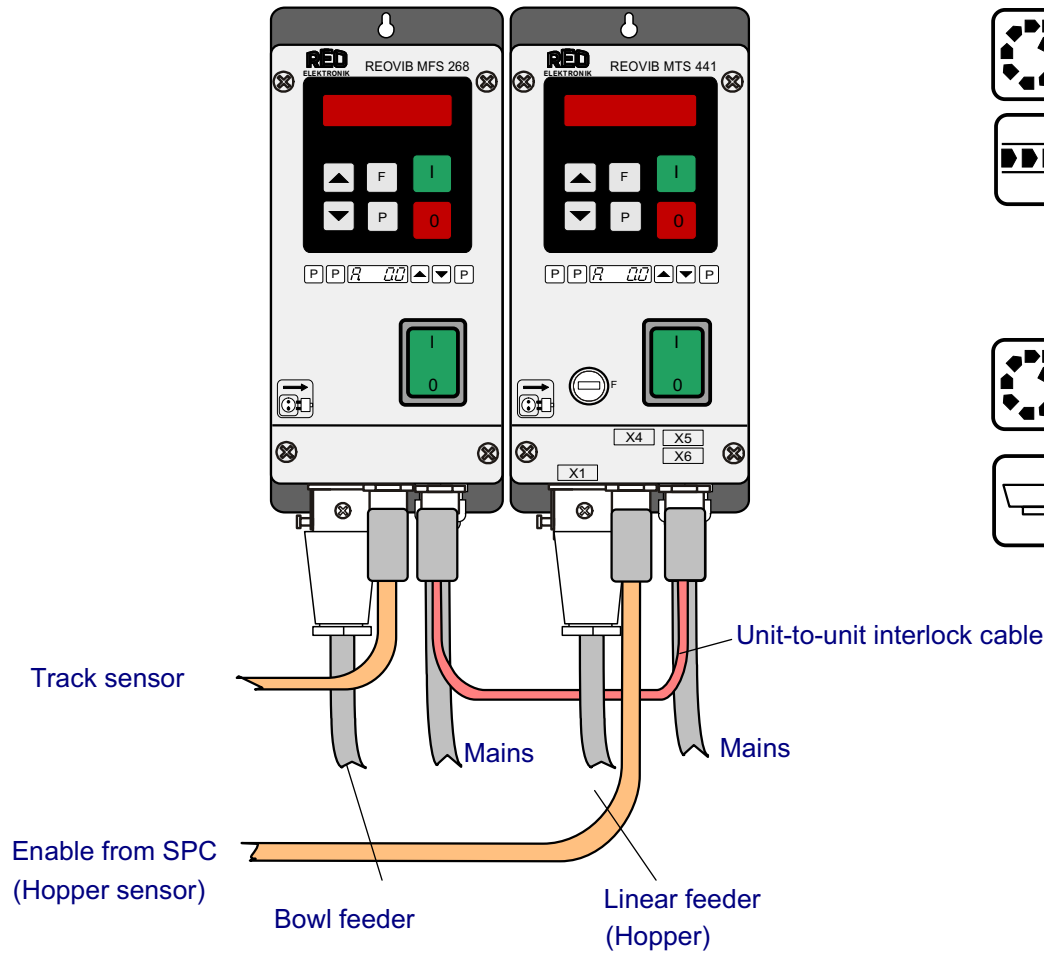


External enable signal:
With an external 24 V DC, voltage signal from a PLC, for example, the linear feeder and therefore the bowl feeder can also be enabled or disabled.

REOVIB MFS 268 for linear feeder, bowl feeder and hopper

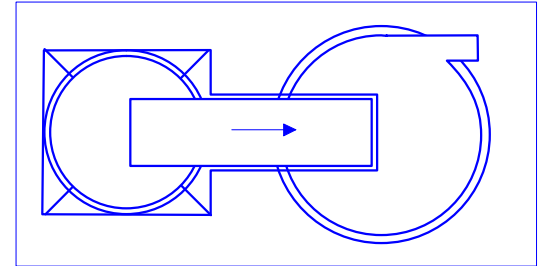
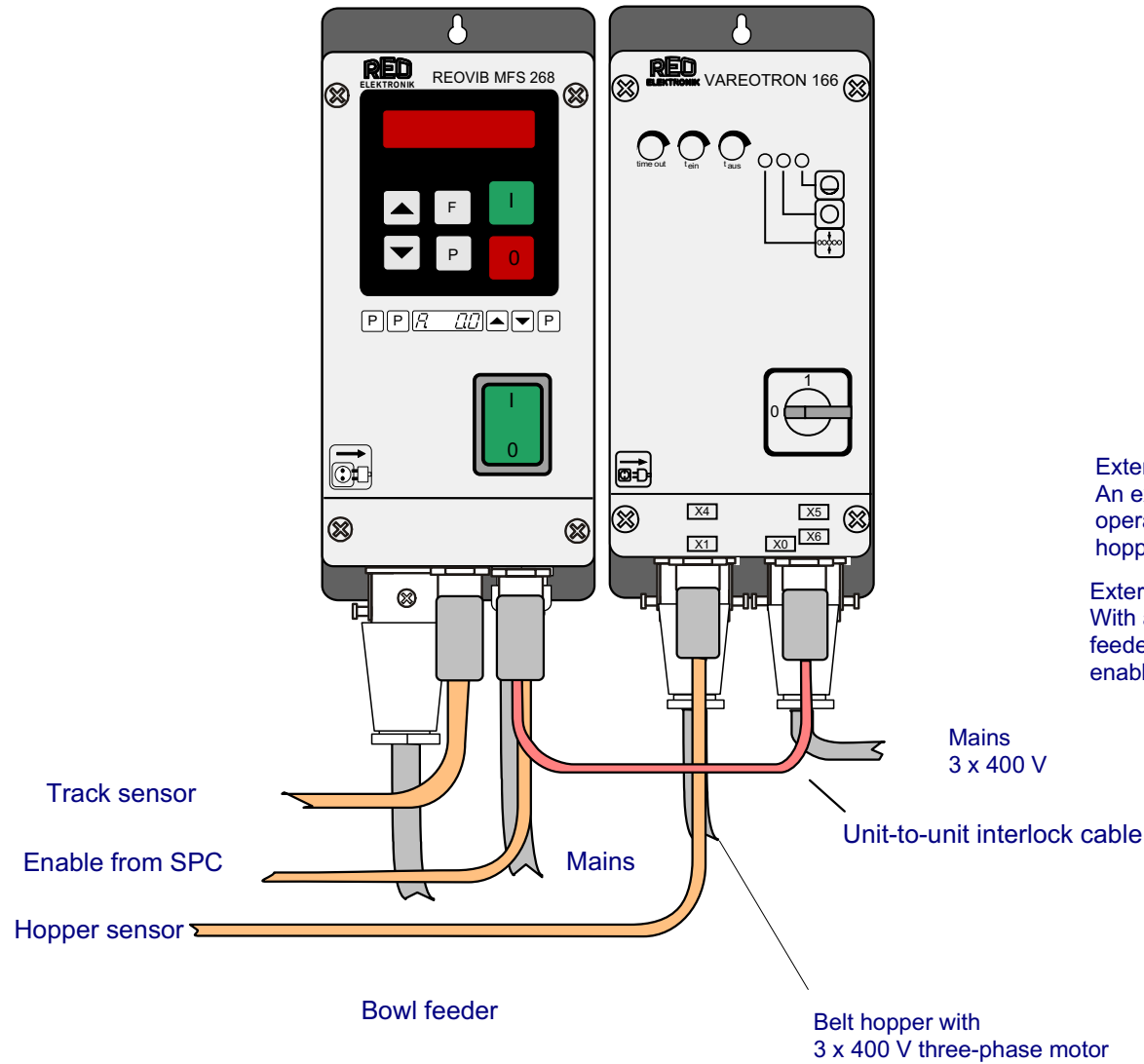


REOVIB MFS 268 for bowl feeder and REOVIB MTS 441 for linear feeder or hopper



Interlocking via connection cable:
The bowl feeder disables the hopper, or the linear feeder disables the bowl feeder.

REOVIB MFS 268 for bowl feeder and VAREOTRON 166 for motor-driven hopper



External enable signal:
An external 24 V, DC, voltage signal from a PLC, enables operation or stops the bowl feeder and thus also the subsequent hopper controller, for example.

External enable signal:
With an external 24 V DC, voltage signal from a PLC, the linear feeder and therefore also the subsequent hopper controller can be enabled or disabled, for example.