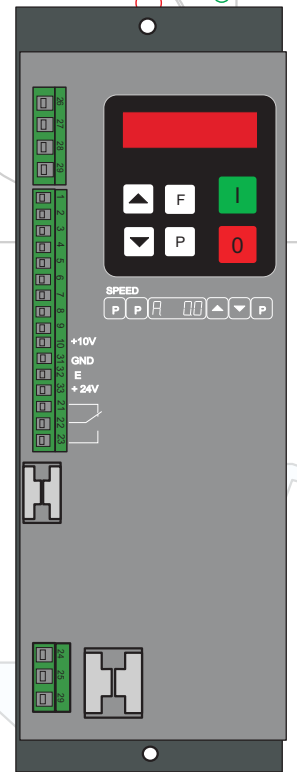
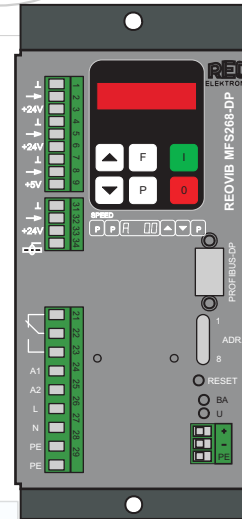
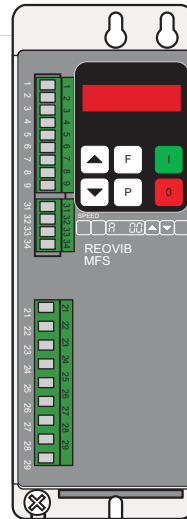
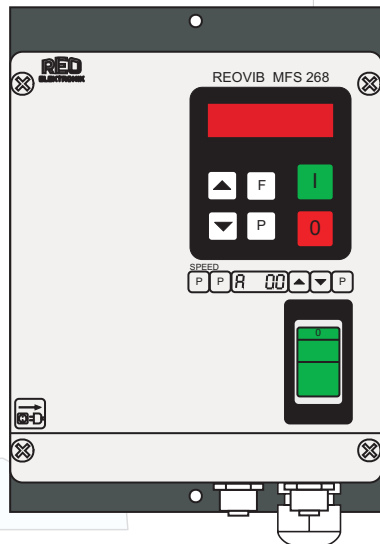
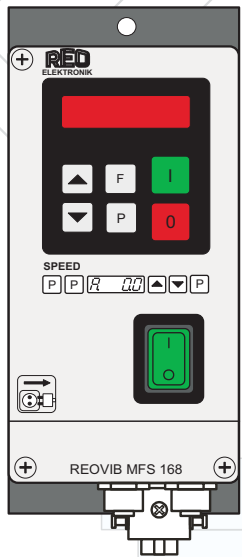


Range REOVIB MFS

Frequency controllers for vibratory feeders

Operating features and application examples



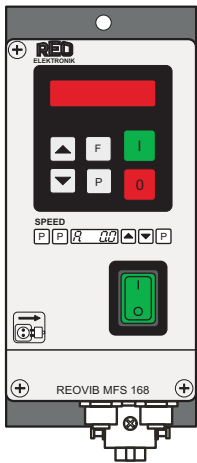
REO-USA, Inc.
3250 North Post Road, Suite #132 Indianapolis, IN 46226
Phone (317) 899-1395 Fax (317) 899-1396
Email: info@reo-usa.com Website: www.reo-usa.com

The REOVIB MFS range of frequency controllers for vibratory feeders

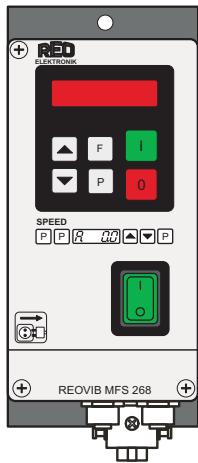
REOVIB MFS(Microprocessor Frequency System) is an extensive range of frequency controllers for vibratory feeders. These control units generate an output frequency independent of the mains frequency to drive the vibratory feeder. The drive frequency rate is adjustable within the frequency range of the 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 for panel mount.

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.

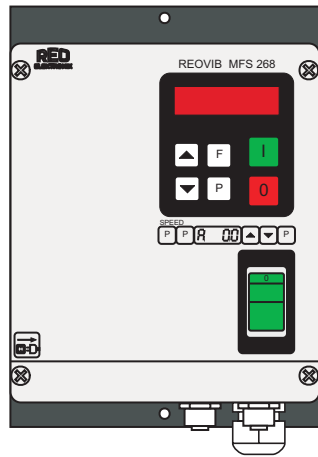
IP 54 protected stand-alone units



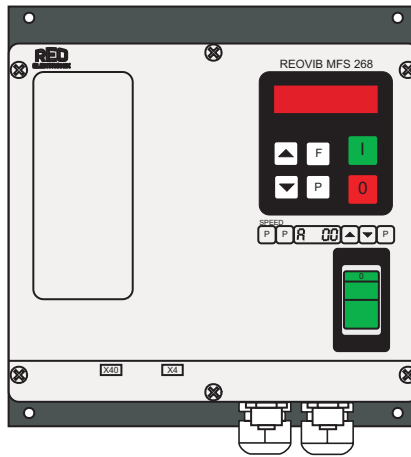
REOVIB
MFS 168
3A, 6A, 8A



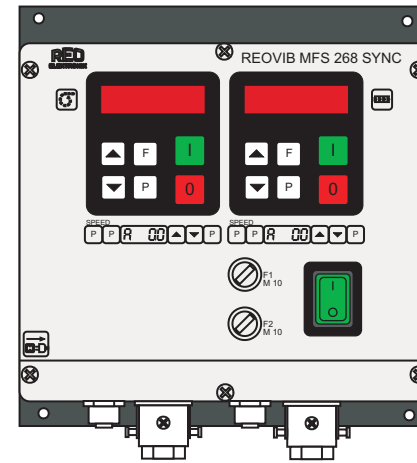
REOVIB
MFS 268
3A, 6A, 8A



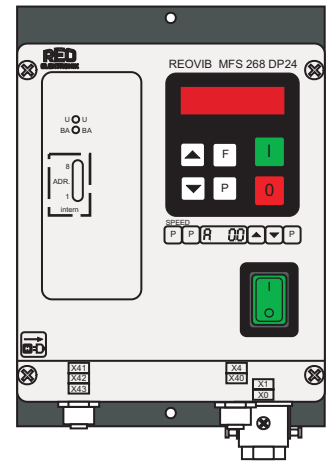
REOVIB
MFS 268
12 A



REOVIB
MFS 268
16 A



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

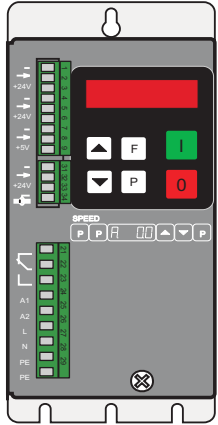


REOVIB MFS 268 with
Profibus-DP interface
DeviceNet interface
6A

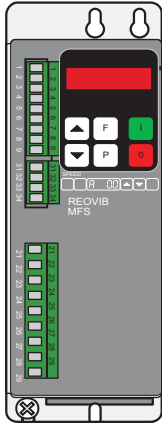
The REOVIB MFS range of frequency controllers for vibratory feeders

The open construction version of the REOVIB controllers are designed to be mounted within an electrical enclosure. Terminal strips are to the outside of the controller with markings on the face of the controller for quick and simple installation.

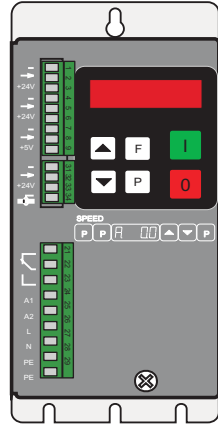
IP20 protected panel mounted units



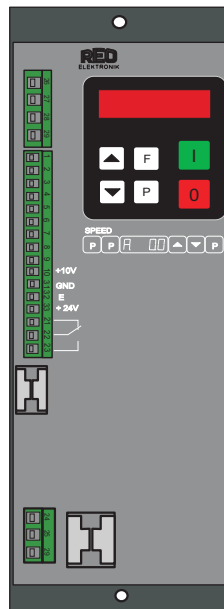
REOVIB
MFS 168
3 A, 6 A, 8 A



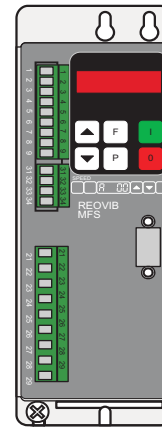
REOVIB
MFS 268
3 A, 6 A



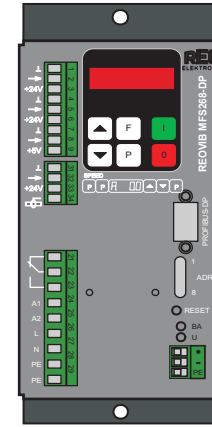
REOVIB
MFS 268
8 A



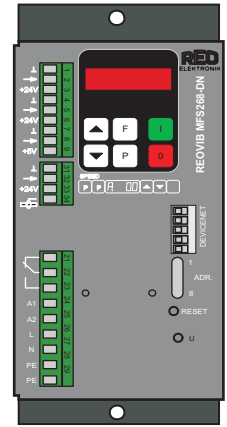
REOVIB
MFS 268
16 A



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

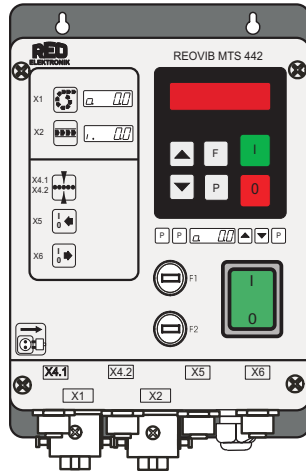
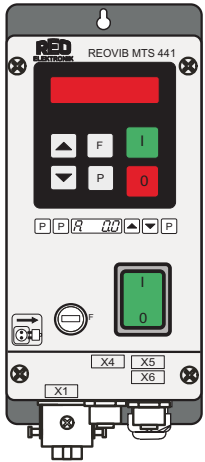


REOVIB
MFS 268 with
Profibus-DP
interface
3 A, 6 A

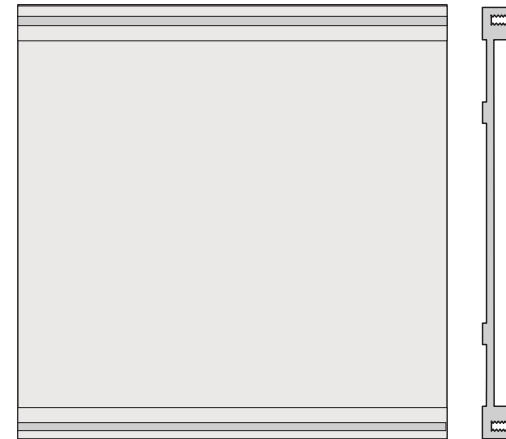


REOVIB
MFS 268 with
DeviceNet
interface
3 A, 6 A

Add-on units:



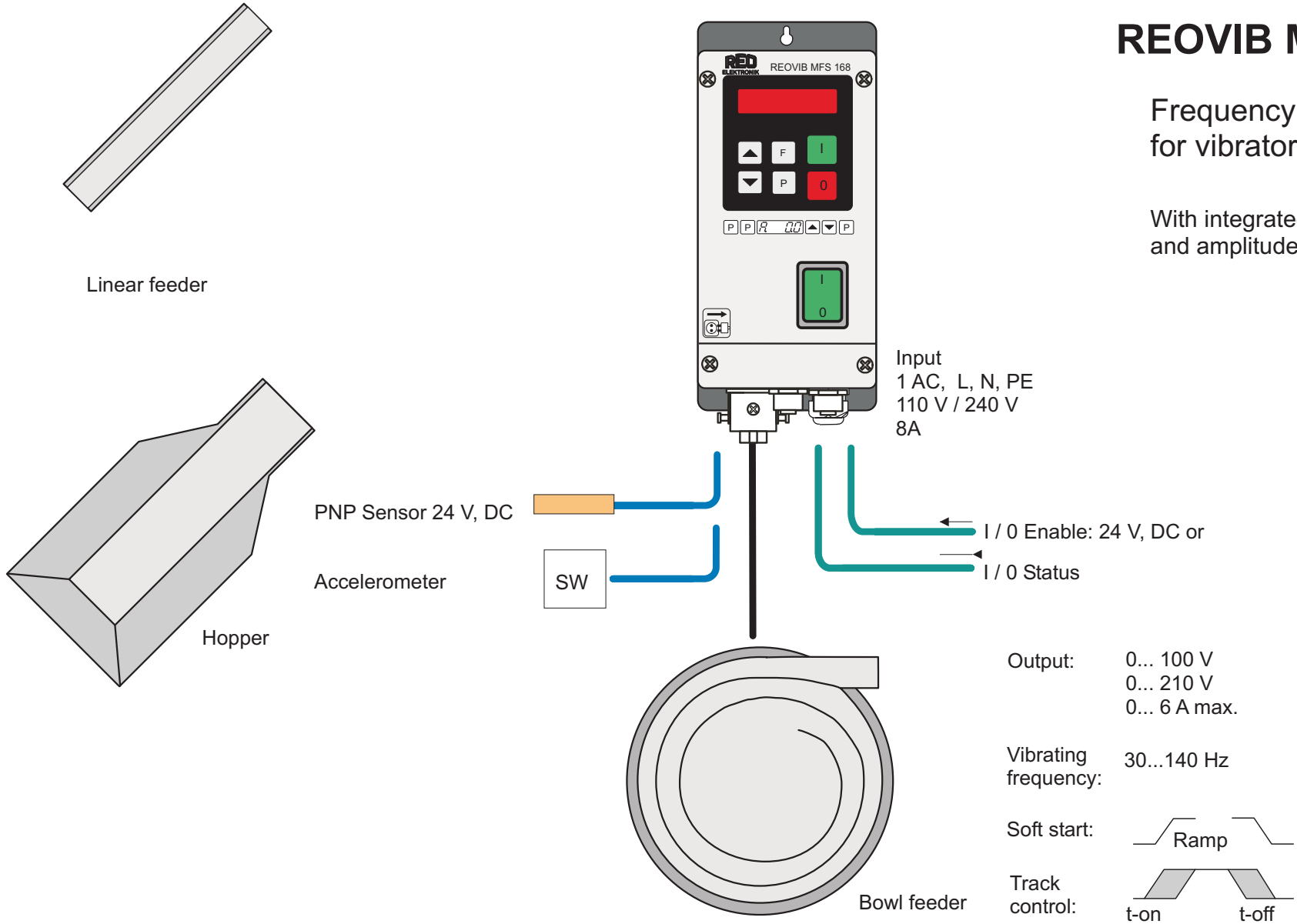
**Mountings:
Aluminium profile mounting rail**



REOVIB MFS 168

Frequency controller
for vibratory feeders

With integrated track control
and amplitude regulation



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



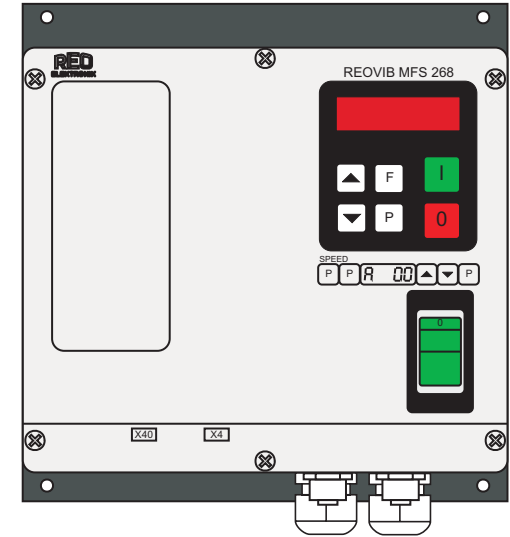
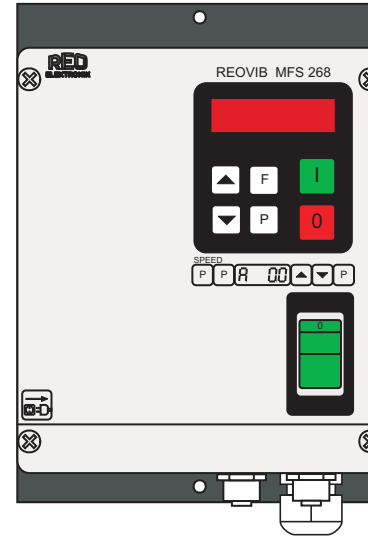
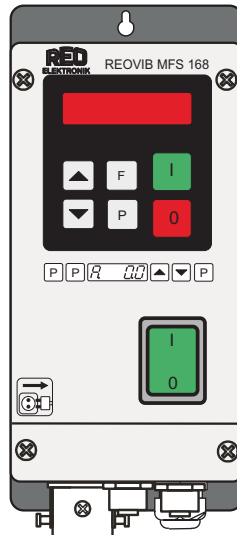
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REOVIB MFS 268

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)

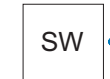
Input
1 AC, L, N, PE
110 V / 240 V



PNP Sensor 24 V, DC



Accelerometer



24 V output - solenoid valve



I / O Enable: 24 V, DC or

I / O Status



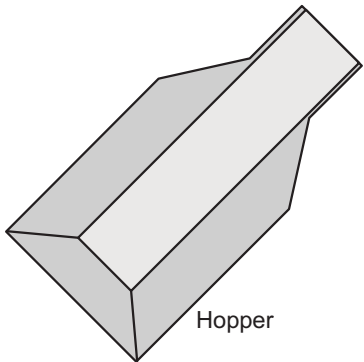
Time out 1: 24 V, DC (empty signal)

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

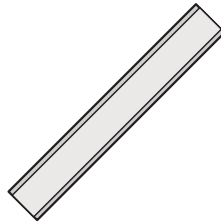
Vibrating frequency: 30...140 Hz (5... 300 Hz)

Soft start: Ramp

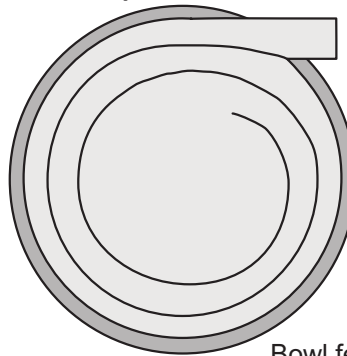
Track control: t-on t-off



Hopper



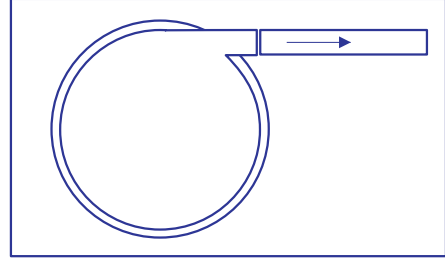
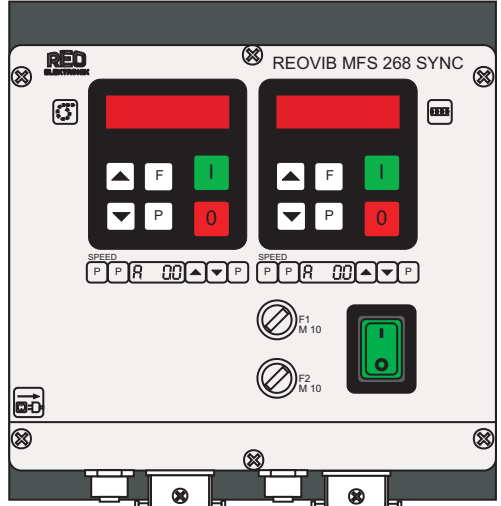
Linear feeder



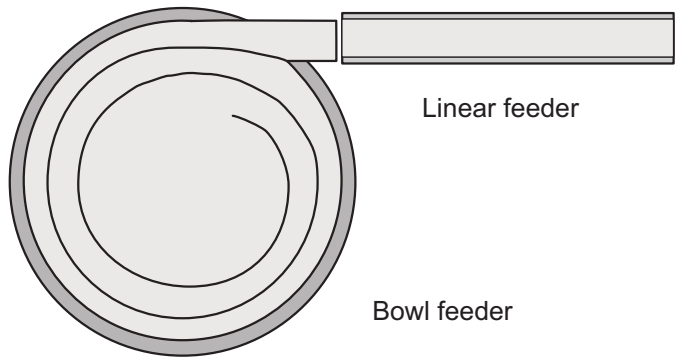
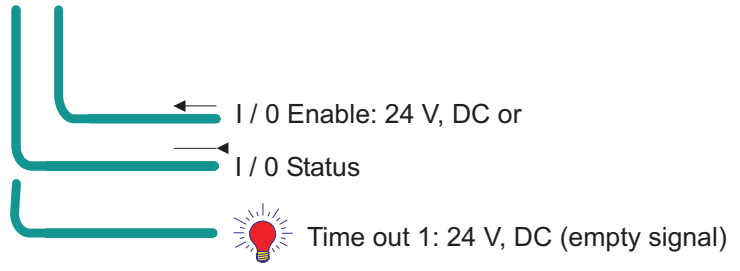
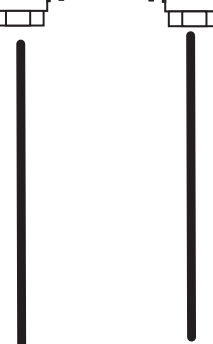
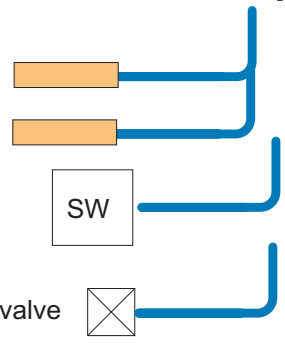
Bowl feeder



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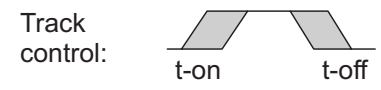
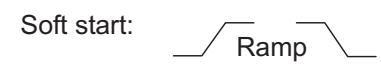


- PNP Sensor 24 V, DC
- PNP Sensor 24 V, DC
- Accelerometer
- 24 V output - solenoid valve

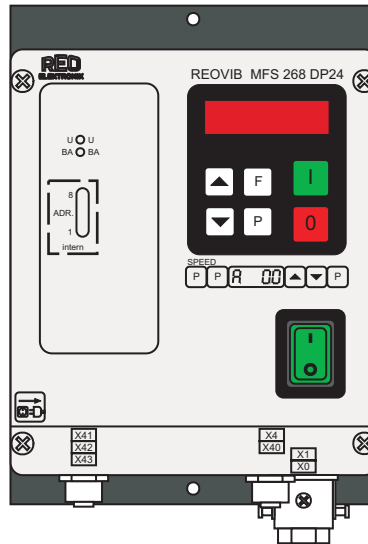
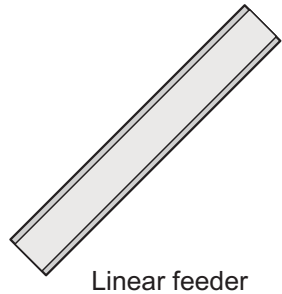


Output: 2 x (0... 100 V) / 0... 210 V
2 x 6 A max.

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



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

I / O Enable: 24 V, DC or

I / O Status

PNP Sensor 24 V, DC

Accelerometer

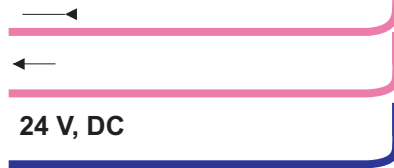
Output: (0... 100 V) 0... 210 V
0... 6 A max.

Vibrating frequency: 30...140 Hz

Soft start: Ramp

Track control: t-on t-off

Profibus-DP



PNP Sensor 24 V, DC

Accelerometer

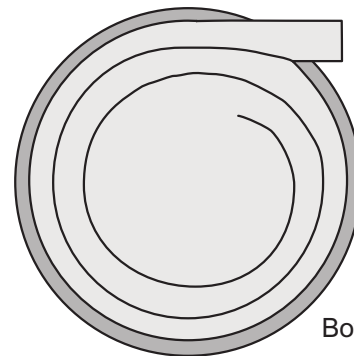
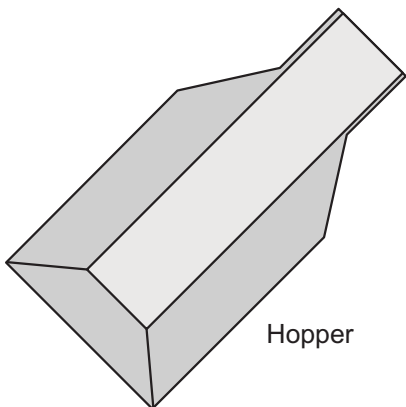
Output: (0... 100 V) 0... 210 V
0... 6 A max.

Vibrating frequency: 30...140 Hz

Soft start: Ramp

Track control: t-on t-off

SW

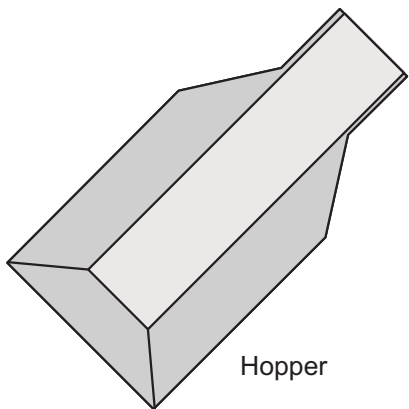
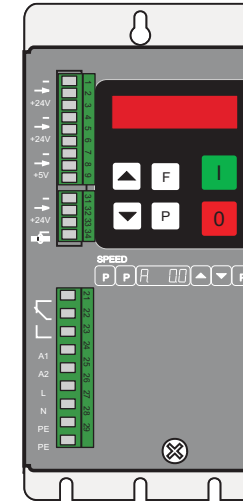
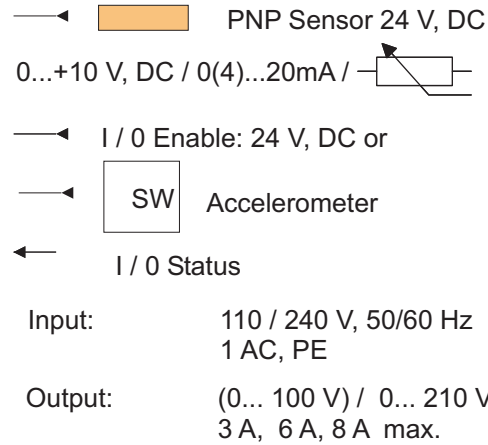


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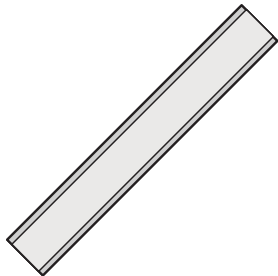
REOVIB MFS 168

Frequency controller
for vibratory feeders

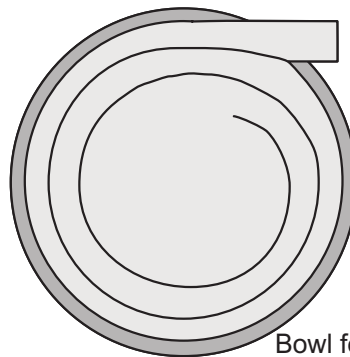
With integrated track control and
amplitude regulation



Hopper



Linear feeder



Bowl feeder

Vibrating frequency: 30...140 Hz

Soft start:  Ramp

Track control:  t-on t-off






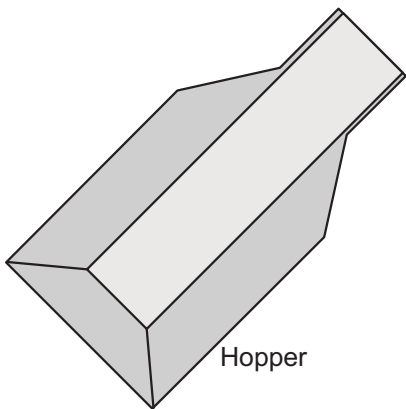
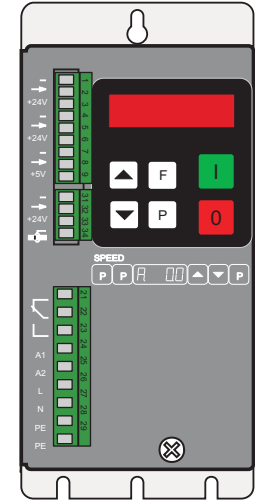
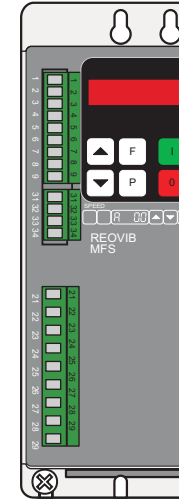
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REOVIB MFS 268

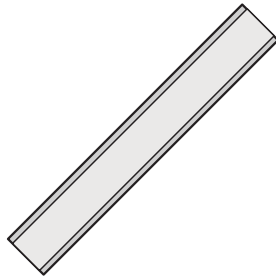
Frequency controller
for vibratory feeders

With integrated track
control and
amplitude regulation
Adjustable current limit

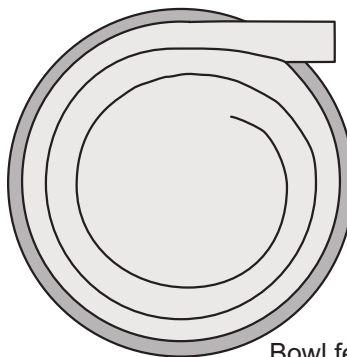
- ▶  PNP Sensor 24 V, DC
0...+10 V, DC / 0(4)...20mA / 
 - ▶ I / O Enable: 24 V, DC or
 - ▶  Accelerometer
 - ← I / O Status
- Input: 110 / 240 V, 50/60 Hz
1 AC, PE
- Output: (0... 100 V) / 0... 210 V
3 A, 6 A, 8 A max.



Hopper




Linear feeder



Bowl feeder

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

Soft start: 

Track control: 

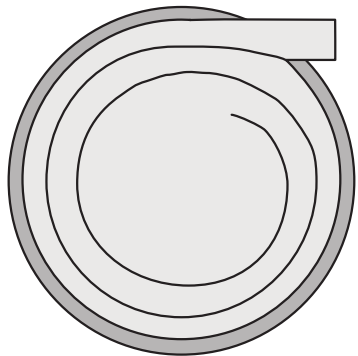


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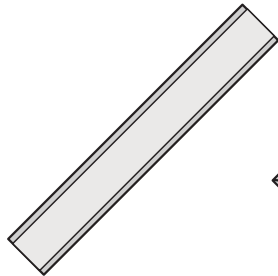
REOVIB MFS 268

Frequency controller
for vibratory feeders

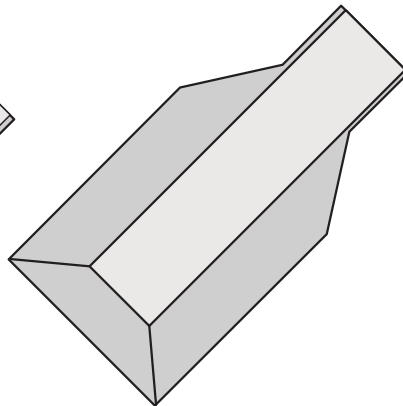
With integrated track
control and
amplitude regulation
Adjustable current limit



Bowl feeder



Linear feeder



Hopper



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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

— SW Accelerometer

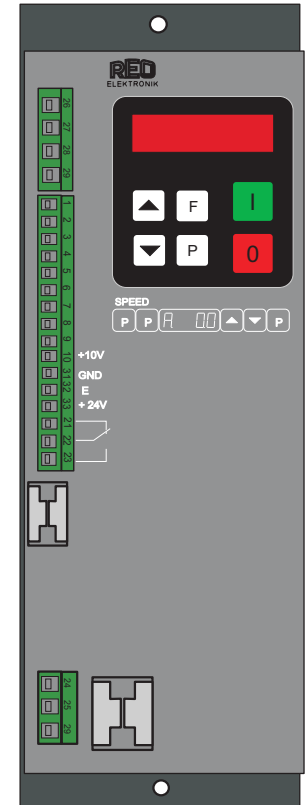
← I / O Status

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

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

Soft start: Ramp

Track control:




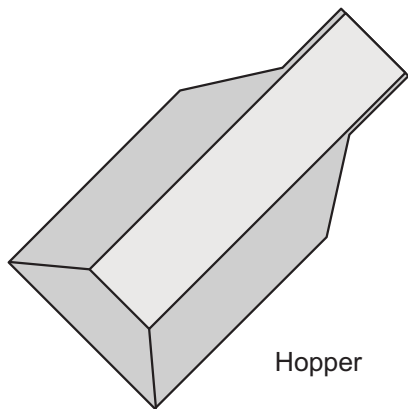
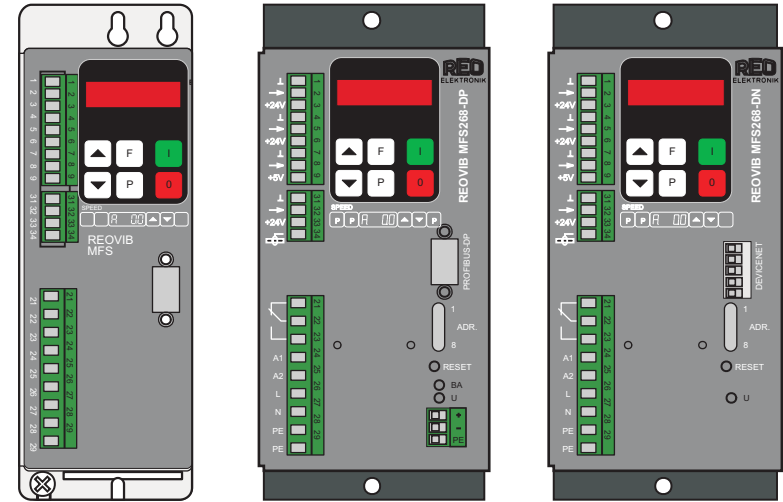
REOVIB MFS 268

Frequency controller
for vibratory feeders

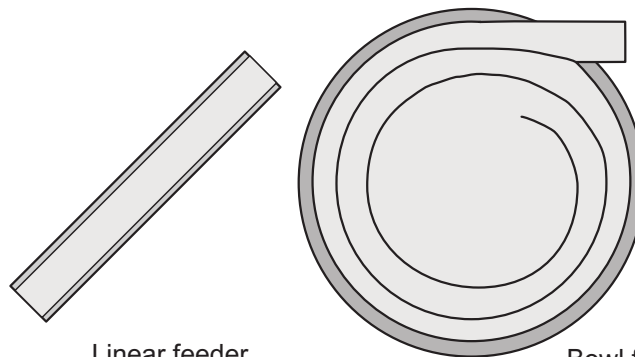
With integrated track
control and
amplitude regulation
Adjustable current limit

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
 - 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 (5... 300 Hz)

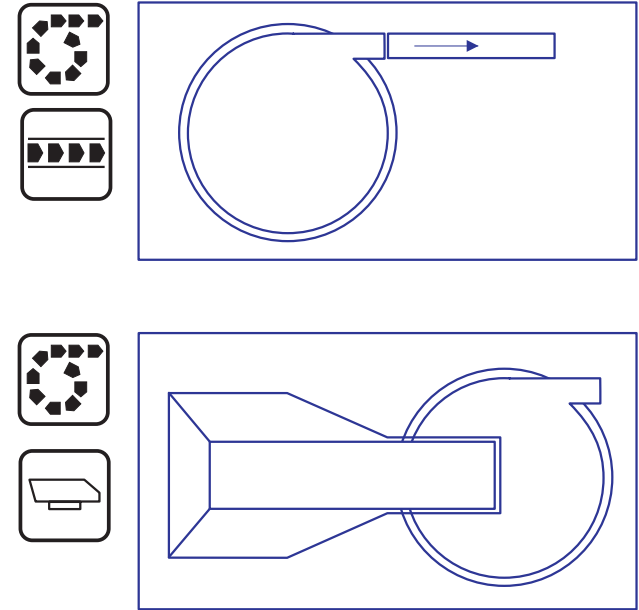
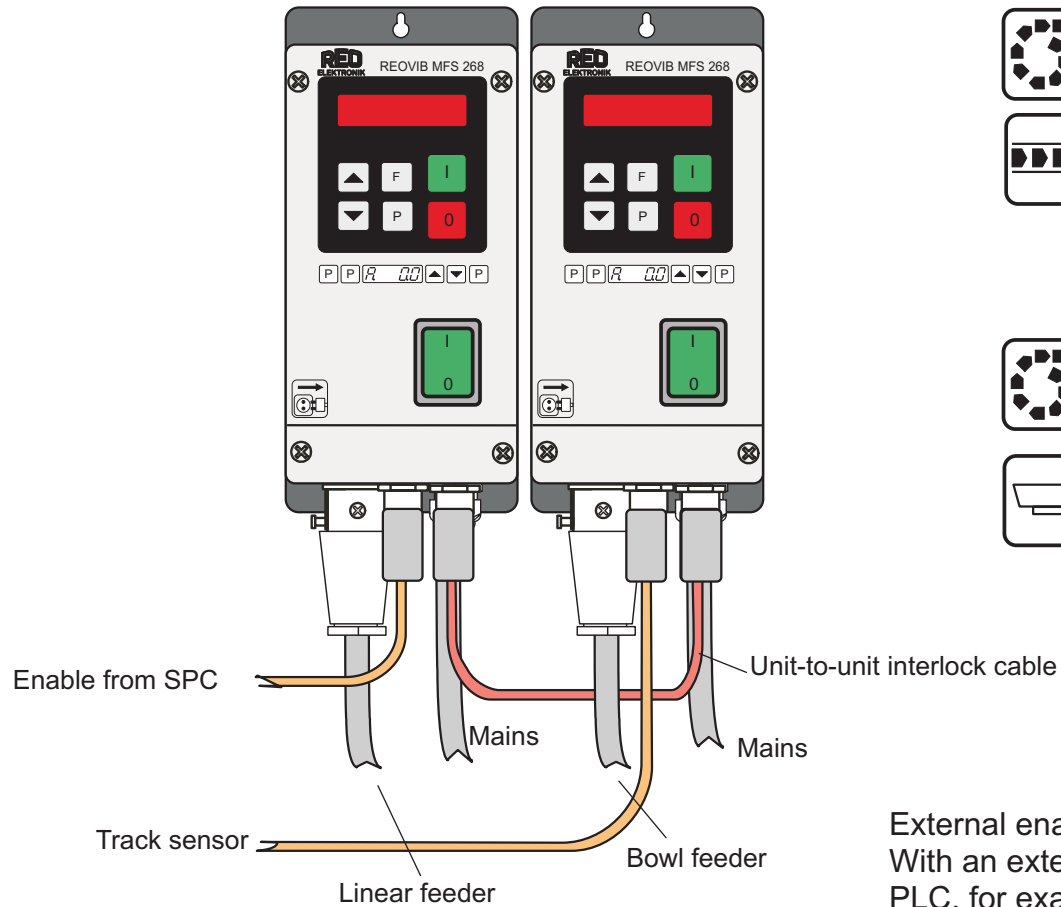
Soft start: 

Track control: 



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

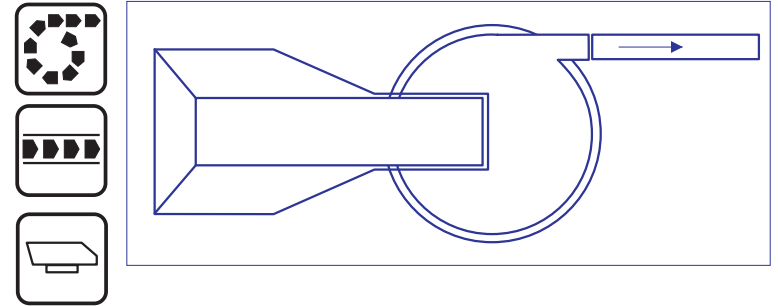
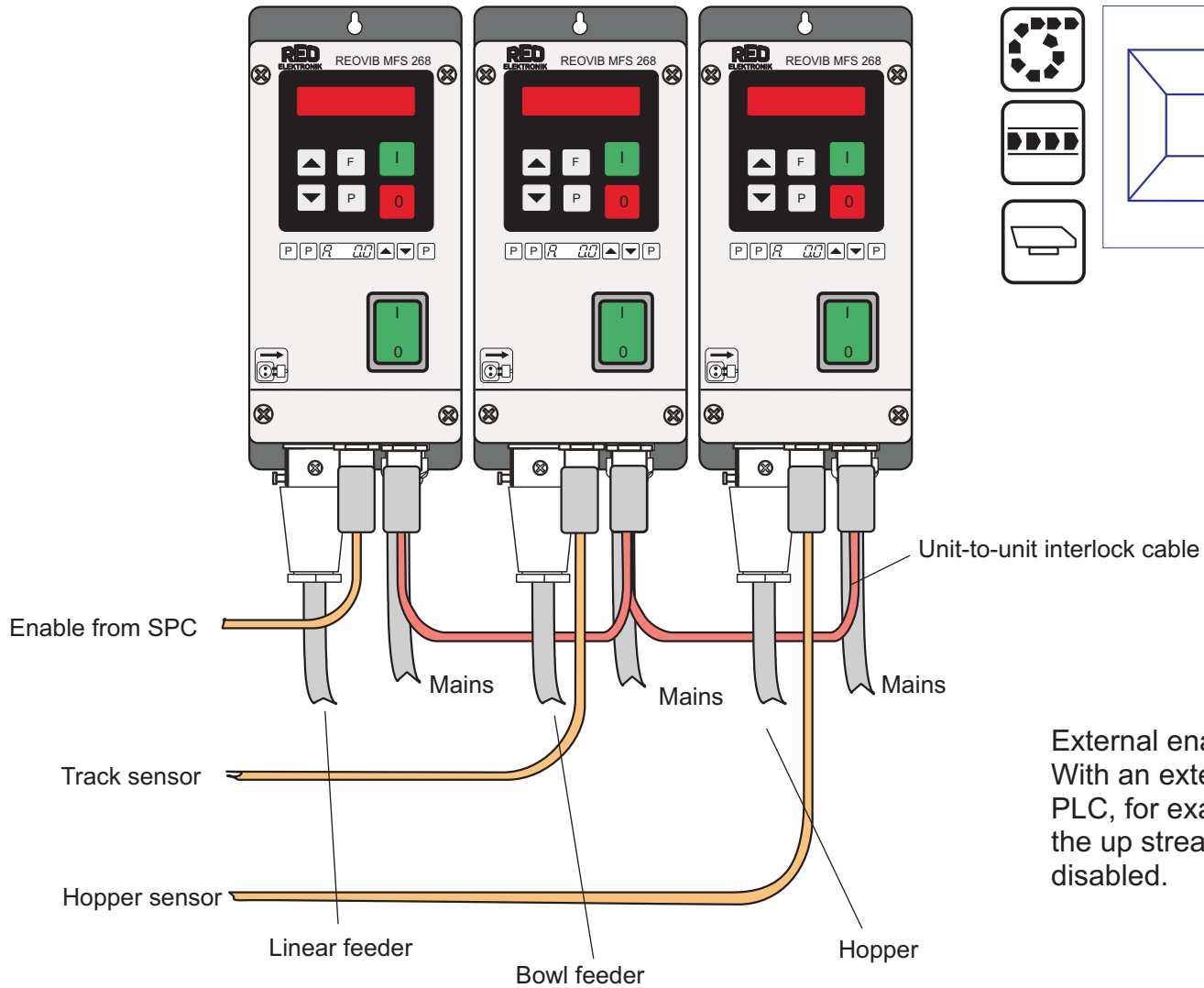


External enable signal:
 With an external 24 V DC, voltage signal from a PLC, for example, the linear feeder and therefore the bowl feeder can also be enabled or disabled.



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REOVIB MFS 268 for linear feeder, bowl feeder and hopper

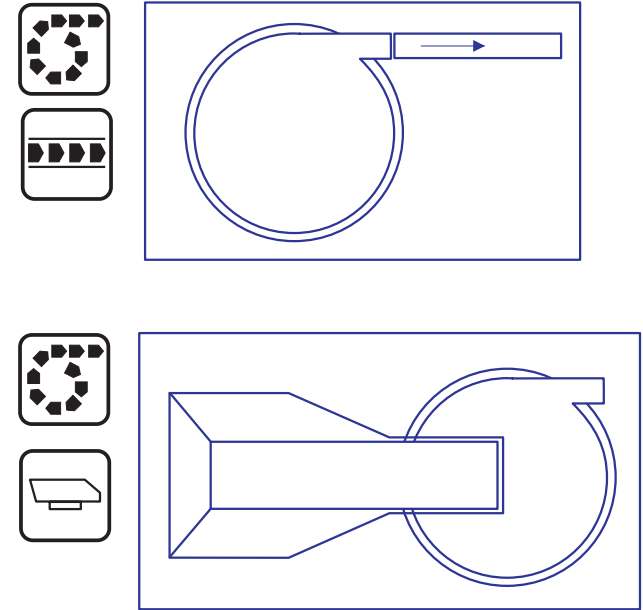
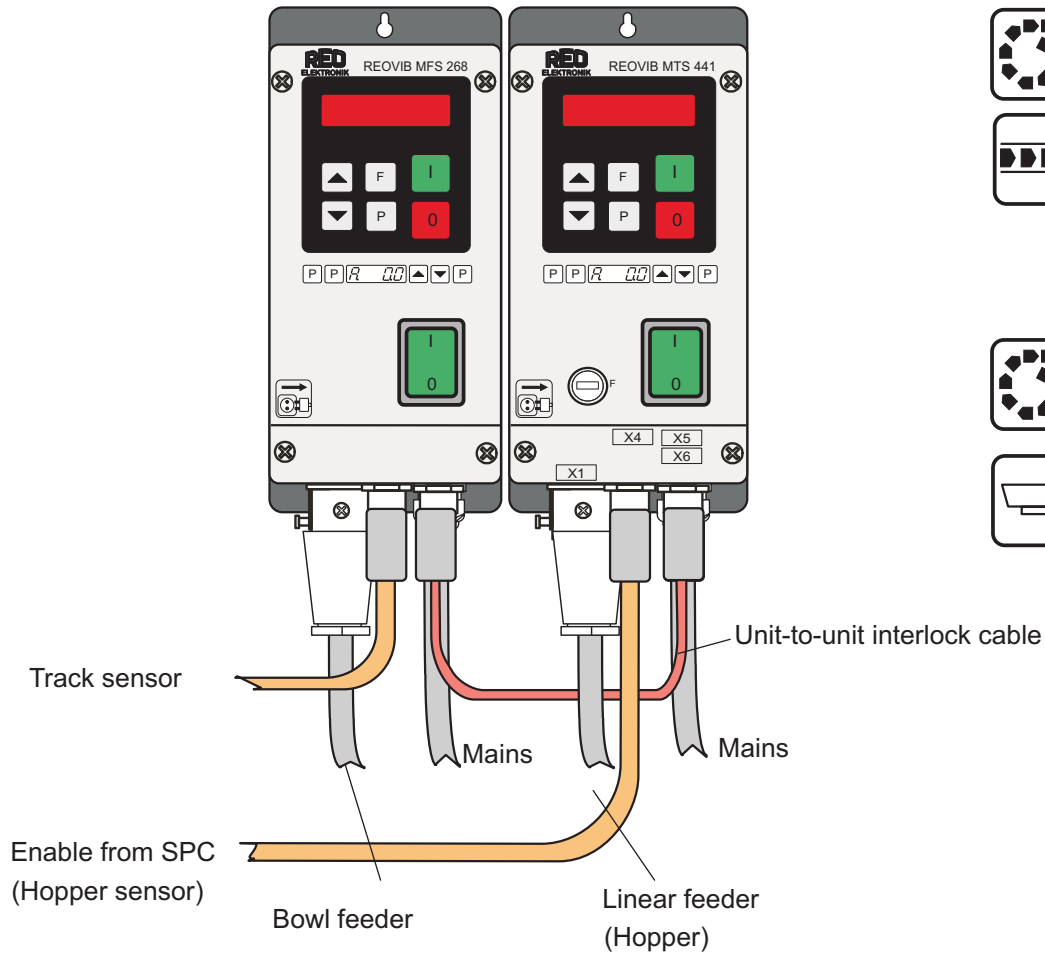


External enable signal:
 With an external 24 V DC, voltage signal from a PLC, for example, the linear feeder and therefore the up stream controllers can also be enabled or disabled.



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 Email: info@reo-usa.com Website: www.reo-usa.com

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.



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