REOVIB SMART
Phase-angle controllers for vibratory feeders
Whoever stops trying to be better has stopped being good
REOVIB SMART range

The REOVIB SMART range includes inexpensive controllers for vibratory feeders as stand-alone units or panel mounting units. The stand-alone units are IP 54 rated and housed in aluminium section enclosures. The panel mounting units are designed in a modular system for fitting onto standard mounting rails. They can be combined to multi-channel control units by using plug-in connectors. Analogically working on the phase-angle control principle, they include a triac as a power element. The vibrating frequency of the feeder can be equal to or twice the mains frequency 50/100 Hz (60/120 Hz). A setpoint potentiometer, a mains switch and an input fuse are integrated into the stand-alone units. The panel-mounting units integrate screw terminals, whereas the setpoint can be preset via potentiometer, 0...10 V, DC or 0(4)...20 mA.

This low cost version does not offer compensation of line voltage variations.

REOVIB SMART Single control unit without track control
PCB version on mounting plate or DIN rail mounting
Protection IP 00

REOVIB SMART System Modular system with track control
Modular system consisting of a basic module and additional extension modules for the assembly of multi-channel units. Each unit includes time delay ON / OFF for track control. DIN rail mounting
Protection IP 00

REOVIB SMART control unit stand-alone unit without track control
Enclosure version with integrated potentiometer for the adjustment of the feeder throughput. Mains switch, fuse and input / output cable or output socket.
Protection IP 54
REOVIB SMART Single

PCB version on mounting plate or DIN rail mounting

Protection IP 00

Input: 1 AC, L, N, PE 110 V / 240 V
Output: 0... 100 V
        0... 210 V
        0... 6 A max.

Vibrating frequency: 50 Hz / 100 Hz
                   (60 Hz / 120 Hz)

Soft start: Ramp

Adjustments:
Output: Umin
        Umax
Vibrating frequency: 50 Hz/100 Hz
                   (60 Hz/120 Hz)

Mains voltage: 110 V 240 V
REOVIB SMART SYSTEM

Modular system consisting of a basic module and additional extension modules for the assembly of multi-channel units. Each unit includes time delay ON / OFF for track control. DIN rail mounting, protection IP 00

The basic module includes the mains supply input and EMC input filtering.
REOVIB SMART SYSTEM
2-Channel unit

Modular system consisting of a basic module and additional extension modules for the assembly of multi-channel units. Each unit includes time delay ON / OFF for track control. DIN rail mounting, protection IP 00

The basic module includes the mains supply input and EMC input filtering.

2-Channel unit
1 Basic module
1 Extension module

Input 110 V / 240 V
0...+10 V / 0(4)...20 mA
I / 0 Enable: 24 V, DC or

Linear feeder

Hopper

Bowl feeder

Adjustments:
Output: Umin Umax
Track control: t-on t-off
Sensor: PNP / invert
Vibrating frequency: 50 Hz/100 Hz (60 Hz/120 Hz)
Mains voltage: 110 V 240 V

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

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

Vibrating frequency:
50 Hz / 100 Hz
(60 Hz / 120 Hz)

Soft start:
Ramp

Track control:
t-on t-off
REOVIB SMART SYSTEM

3-Channel unit

Modular system consisting of a basic module and additional extension modules for the assembly of multi-channel units. Each unit includes time delay ON / OFF for track control. DIN rail mounting, protection IP 00

The basic module includes the mains supply input and EMC input filtering.

3-Channel unit
1 Basic module
2 Extension modules

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

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

Vibrating frequency:
50 Hz / 100 Hz
(60 Hz / 120 Hz)

Soft start: Ramp

Track control: t-on t-off

Adjustments:
Output: Umin Umax
Track control: t-on t-off
Sensor: PNP / invert
Vibrating frequency: 50 Hz/100 Hz
(60 Hz/120 Hz)

Mains voltage: 110 V 240 V
REOVIB SMART
1-Channel controller
Stand-alone unit
Protection IP 54

Adjustments:
- Output: Umin, Umax
- Vibrating frequency: 50 Hz/100 Hz (60 Hz/120 Hz)
- Mains voltage: 110 V 240 V

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

I / O Enable: 24 V, DC or

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

Vibrating frequency: 50 Hz / 100 Hz
(60 Hz / 120 Hz)

Soft start: Ramp

Linear feeder
Hopper
Bowl feeder

Input and output cable on front panel
Input and output cable on housing
Input cable and output socket
Mountings:
Aluminium section mounting rail for stand-alone units

Add-on units:
- Thyristor controllers REOVIB RTS range
- Thyristor controllers REOVIB MTS range
- Frequency controllers REOVIB MFS range

Control units, including motor contactor, for belt hopper with 3-phase or single-phase motor

Control units for belt hopper with 24 V DC motor
Potentiometer
Contact (volt free)
Input
Output
Sensor
Vibrating frequency
50 Hz (60 Hz)
Half wave
Vibrating frequency
100 Hz (120 Hz)
Full wave
Soft start ramp
Soft stop ramp
Track control
ON delay
Track control
OFF delay
Linear feeder
Bowl feeder
Hopper feeder
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