REOVIB RTS

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

- With compensation of line voltage variations
- With adjustable soft start

The REOVIB R6/539 range includes controllers for vibratory feeders. The controllers are available as enclosed-type stand-alone units or panel-mounting units. The stand-alone units are IP 54 rated and housed in aluminium profile 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. These control units are available as controller without any additional function, or with integrated track control for a 24 V PNP sensor. Analogically working on the phase-angle control principle, they include a triac as a power element. Integrated output voltage regulation provides compensation of line voltage variations. The vibrating frequency of the feeder can be equal to or twice the mains frequency 50/100 Hz (60/120 Hz). A set point potentiometer, a mains switch and an input fuse are integrated into the stand-alone units. The panel-mouting units integrate screw terminals, whereas the set point can be preset via potentiometer, 0…10 V, DC or 0(4)…20 mA.

REOVIB RTS 539 Single control unit without track control
PCB version on mounting plate or DIN rail mounting
Protection IP 00

REOVIB RTS 539 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 RTS 539 Enclosed-type unit integrated potentiometer for the adjustment of the feeder throughput. Mains switch, fuse and input / output cable or output socket.
Protection IP 54
REOVIB RTS 539 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

Track control:
t-on

Adjustments:

Output: U_{\text{min}}
U_{\text{max}}

Track control:
t-on
t-off

Sensor: PNP / invert

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

Enable:
invert

Soft start:
0.1...3 sec.

Mains voltage: 110 V 240 V
REOVIB RTS 539 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 filtering.

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)
Enable: invert
Soft start: 0.1...3 sec.
Mains voltage: 110 V 240 V
REOVIB RTS 539 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 filtering.

2-Channel unit
1 Basic module
1 Extension module

Adjustments:

Output: Umin Umax
Track control: t-on t-off
Sensor: PNP / invert
Vibrating frequency: 50 Hz/100 Hz (60 Hz/120 Hz)
Enable: invert
Soft start: 0,1...3 sec.
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 RTS 539 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 filtering.

3-Channel unit
1 Basic module
2 Extension modules

Adjustments:
Output: Umin
         Umax
Track control: t-on
              t-off
Sensor: PNP / invert
Vibrating frequency: 50 Hz/100 Hz
(60 Hz/120 Hz)
Enable: invert
Soft start: 0,1...3 sec.
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 RTS 539

Enclosed-type unit with integrated potentiometer for the adjustment of the feeder throughput. Mains switch, fuse and input / output cable or output socket. Protection IP 54

Adjustments:

Output:
- Umin
- Umax

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

Enable:
- invert

Soft start:
- 0.1...3 sec.

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

Version with input cable and output cable or input cable and output socket.
REOVIB RTS 539-559
With track control

Enclosed-type unit with
Integrated potentiometer for the
adjustment of the feeder
throughput.
Mains switch, fuse and input /
output cable or output socket.

Protection IP 54

Adjustments:

Output: Umin
Umax
Track control: t-on
  t-off
Sensor: PNP / invert
Vibrating frequency: 50 Hz/100 Hz
(60 Hz/120 Hz)
Enable: invert
Soft start: 0,1...3 sec.
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

Version with input cable and output cable
or input cable and output socket.
Mountings:
Aluminium section mounting rail for stand-alone units

Add-on units:

- Thyristor controllers
  - REOVIB SMART 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