



Features

- Intergrated track control
- Adjustable soft start
- Mains voltage compensation
- Suitable for 110 V and 240 V, 50/60 Hz supplies
- Output frequency 50/100 Hz or 60/120 Hz
- Setpoint via potentiometer 10 k, 0...+10 V or 0(4)...20 mA
- Enable input 24 VDC or contact
- Output cable or output socket



REOVIB R6/539 Controller

**REOVIB R6-539 UK Design Voltage:
110/230V, 50/60 Hz Current: 6 A 653955**

Description

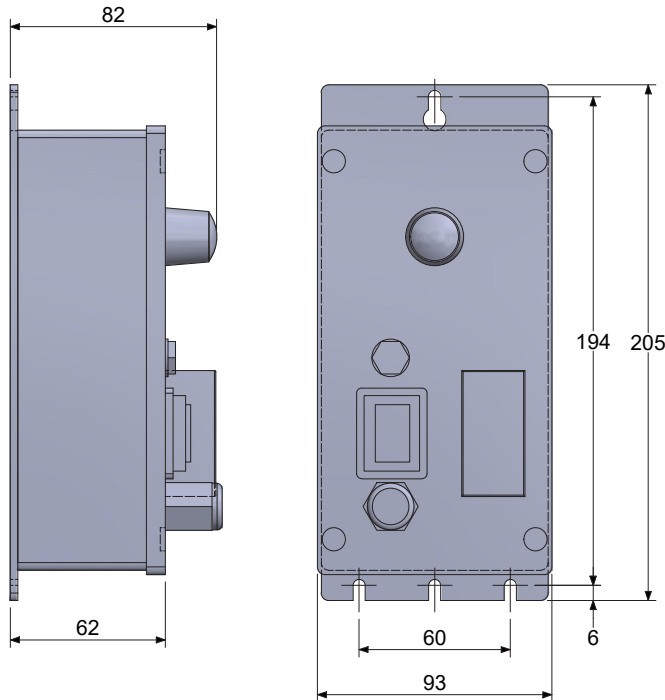
The REOVIB R6/539 is a range of controllers available with or without track control. The controllers work on the phase-angle principle, the throughput power of the feeder is adjusted via the supply voltage. The feed rate setpoint can be either preset internally via the built-in potentiometer, or externally via 0...+10 VDC or 0(4)...20 mA. An enable input and a status output are provided and can be used for interlocking with other control equipment. The controllers include a mains switch and a fuse.

The operating range of the setpoint potentiometer can be adapted for specific requirements of the feeder by means of the trimmers and switches located behind a front cover, i.e. the housing does not have to be opened.

Depending on controller version, the connections to the feeder are made either via an output connector (standard) or a cable.



Dimension drawing



Technical Data

Supply Voltage:	110/230V Switchable V
Output Voltage:	20...100 / 40...210 V V
Output Current:	6 A
Frequency:	50/100 (60/120) Hz
Set Point:	External with Potentiometer 0...10V, 0...20mA
Enable:	24 VDC, Switch
Relay:	Changeover contact 250V
Soft Start:	0.2...5 Sec
Track Control:	int. supply
Amplitude Regulation	
Operating Temperature	
Protection Rating:	IP54
Controller Type:	Thyristor



Technical Data

TYPE	SEC-R6/539
Mains input	110/240 V switchable
Mains frequency	50 / 60 Hz +/- 3 Hz
Output voltage	20...100 V 40...210 V
Output current	max 6 A
Vibration frequency	50 / 100 Hz (50Hz supply) - 60 / 120 Hz (60Hz supply)
Setpoint value	0...10 V. 0...20 mA or potenionmeter 10k Ω
Ext. Enable	24 V DC, Switch
Setting Umin/Umax	Internal potentiometer
Soft start	Adjustable 0,1...4 Sec
Status relay	Changeover contract 250V
Mains voltage compensation	Yes
Track control	-
Conformity	CE, RoHS
Protection Class	IP54
Recommended fuse	6.3 A
Operating temperature	0...45°C
Storage temprature	-10...+80°C



Features

- Adjustable soft start
- Available in version 2 and 3
- Mains voltage compensation
- Suitable for 110 V and 240 V, 50/60 Hz supplies
- Output frequency 50/100 Hz or 60/120 Hz
- Setpoint via potentiometer 10 k Ω , 0...+10 V or 0(4)...20 mA
- Enable input 24 VDC or contact
- Integrated track control



REOVIB R6/539-559 Controller

**REOVIB R6-539/559 UK Design Voltage:
110/230V, 50/60 Hz Current: 6 A 655973**

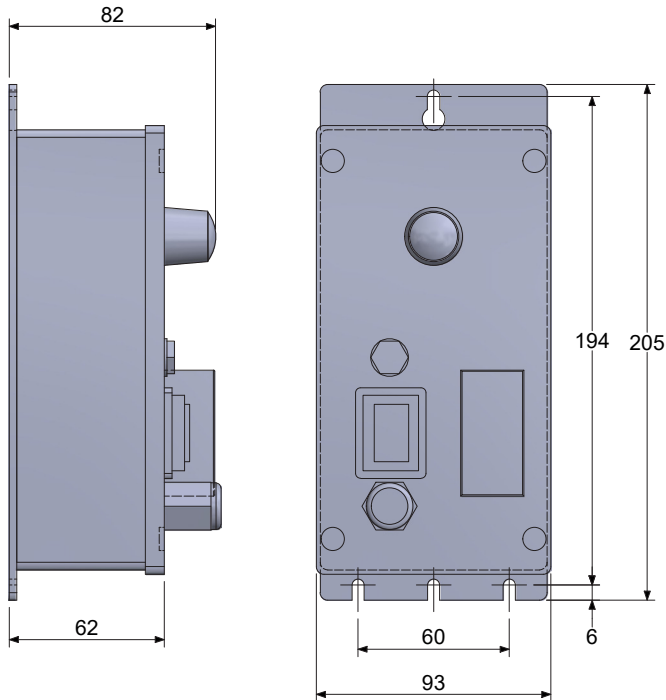
Description

The REOVIB RTS 539-559 is a range of controllers with track control. The controllers work on the phase-angle principle, the throughput power of the feeder is adjusted via the supply voltage. The feed rate set point can be either preset internally via the built-in potentiometer, or externally via 0...+10 VDC or 0(4)...20 mA. An enable input and a status output are provided and can be used for interlocking with other control equipment. The controllers include a mains switch and a fuse. The operating range of the set point potentiometer can be adapted for specific requirements of the feeder by means of the trimmers and switches located behind a front cover, i.e. the housing does not have to be opened.

Depending on controller version, the connections to the feeder are made either via an output connector (standard) or a cable.



Dimension drawing



Technical Data

Supply Voltage:	110/230V Switchable V
Output Voltage:	20...100 / 40...210 V V
Output Current:	6 A
Frequency:	50/100 (60/120) Hz
Set Point:	External with Potentiometer 0...10V, 0...20mA
Enable:	24 VDC, Switch
Relay:	Changeover contact 250V
Soft Start:	0.2...5 Sek
Track Control:	int. supply
Amplitude Regulation	
Operating Temperature	
Protection Rating:	IP54
Controller Type:	Thyristor



Technical Data

TYPE	SEC-R6/539-559 (with track control output cable)
Mains input	110/240 V switchable
Mains frequency	50 / 60 Hz +/- 3 Hz
Output voltage	20...100 V 40...210 V
Output current	max 6 A
Vibration frequency	50 / 100 Hz (50Hz supply) 60 / 120 Hz (60Hz supply)
Setpoint value	0...10 V. 0...20 mA or potenionmeter 10k Ω
Ext. Enable	24 V DC, Switch
Setting Umin/Umax	Internal potentiometer
Soft start	Adjustable 0,1...4 Sec
Status relay	Changeover contract 250V
Mains voltage compensation	Yes
Track control	Internal supply 24VDC for PNP sensor adjustable delay (invertable)
Conformity	CE, RoHS
Protection Class	IP54
Recommended fuse	6.3 A
Operating temprature	0...45°C
Storage temprature	-10...+80°C



PROGRAMMABLE PHASE ANGLE CONTROLLER REOVIB MTS 441 IP54 or IP20

DESCRIPTION



The REOVIB MTS series includes single-channel, two-channel and three-channel control units for vibratory conveyor drives. These are phase-angle control systems. The vibration frequency of the conveyor can be the same as or twice the frequency of the input voltage. (Other frequencies are possible depending on the type). Plug and socket connections for all inputs and outputs make rapid installation possible and facilitate the combination of several devices with each other or with external control systems. The devices use digital technology and are operated via a LED or LCD display and buttons. All settings can be made without the housing having to be opened. REOVIB MTS 441 control devices have a target value setting for conveying speed. The REOVIB MTS 442 has two power outputs and the REOVIB MTS 443 has 3 power outputs, that can be linked according to the application requirements (e.g. bowl and linear conveyors). Also Various sensor and valve logic can be programmed.

All parameters of REOVIB MTS 441, 442 und 443 can be input via a display integrated into the faceplate. The devices can be used to link additional devices from the REOVIB MTS series. Application-specific settings can be stored and retrieved when required. The devices of REOVIB MTS 441 and 620 are available in protection class IP20.

Additionally the REOVIB MTS 441 is just as the REOVIB MTS 442 and 443 available in a standalone IP54 housing with various connection options:

- Complete cable connection solution for mains,
- output and control connections

ADVANTAGES

- Phase-angle control with programmable functions
- Single-channel, two-channel or three-channel control for the optimal control of the complete conveyor system
- Digital setting of all parameters via LED display or multiline LCD display (MTS 443 LCD)
- In IP54 or IP20 design (MTS 441)
- Automatic mains voltage adjustment
- Material flow control
- Various sensor logic functions can be set
- Adjustable soft start
- With fill level/overflow control
- Integrated mains voltage compensation with constant vibration amplitude



Technical Specification

TYPE	SEC-MTS 441
Mains input	115 / 240 V switchable
Mains frequency	50 / 60 Hz +/- 3 Hz
Output voltage	0...100 V 40...210 V
Output current	max 6 A, max, 10 A (Option)
Number of outputs	1
Max. Out current from all outputs	-
Vibration frequency	50 / 100 Hz (50Hz supply) 60 / 120 Hz (60Hz supply)
Setpoint value	Display, poti 0... 10 V, 0 (4)... 20mA
Statussignal	24 V DC
Ext. Enable	24 V DC, Switch
Sensor supply	24 V DC
Setting Umin/Umax	Display
Soft start	Adjustable 0...5 Sec
With fill level/overflow control	PNP. 24 V DC
Mains voltage compensation	Yes
Coarse/fine control	Yes
Selectable timer function	Yes
Sensor time out function	Yes
Sensor time out monitor	Yes
Conformity	CE. RoHS
Protection class	IP20 / IP54



PROGRAMMABLE PHASE ANGLE CONTROLLER REOVIB MTS 442 IP54, Two channel control

DESCRIPTION

The REOVIB MTS series includes single-channel, two-channel and three-channel control units for vibratory conveyor drives. These are phase-angle control systems. The vibration frequency of the conveyor can be the same as or twice the frequency of the input voltage. (Other frequencies are possible depending on the type). Plug and socket connections for all inputs and outputs make rapid installation possible and facilitate the combination of several devices with each other or with external control systems. The devices use digital technology and are operated via a LED or LCD display and buttons. All settings can be made without the housing having to be opened.

REOVIB MTS 441 control devices have a target value setting for conveying speed. The REOVIB MTS 442 has two power outputs and the REOVIB MTS 443 has 3 power outputs, that can be linked according to the application requirements (e.g. bowl and linear conveyors). Also Various sensor and valve logic can be programmed.

All parameters of REOVIB MTS 441, 442 und 443 can be input via a display integrated into the faceplate. The devices can be used to link additional devices from the REOVIB MTS series. Application-specific settings can be stored and retrieved when required. The devices of REOVIB MTS 441 and 620 are available in protection class IP20. Additionally the REOVIB MTS 441 is just as the REOVIB MTS 442 and 443 available in a standalone IP54 housing with various connection options:

- Complete cable connection solution for mains,
- output and control connections.

ADVANTAGES

- Phase-angle control with programmable functions
Single-channel, two-channel or three-channel control for the optimal control of the complete conveyor system
- Digital setting of all parameters via LED display or multiline LCD display (MTS 443 LCD)
- In IP54 or IP20 design (MTS 441)
- Automatic mains voltage adjustment
- Material flow control
- Various sensor logic functions can be set
- Adjustable soft start
- With fill level/overflow control
- Integrated mains voltage compensation with constant vibration amplitude





Technical Specification

TYPE	SEC-MTS 442
Mains input	115 / 240 V switchable
Mains frequency	50 / 60 Hz +/- 3 Hz
Output voltage	0...100 V 0...210 V
Output current	max 6 A total
Number of outputs	2
Max. Out current from all outputs	10 A
Vibration frequency	50 / 100 Hz (50Hz supply) 60 / 120 Hz (60Hz supply)
Setpoint value	Display
Statussignal	24 V DC
Ext. Enable	24 V DC, Switch
Sensor supply	24 V DC
Setting Umin/Umax	Display
Soft start	Adjustable 0...5 Sec
With fill level/overflow control	PNP. 24 V DC
Mains voltage compensation	Yes
Coarse/fine control	Yes
Selectable timer function	Yes
Sensor time out function	Yes
Sensor time out monitor	Yes
Conformity	CE, RoHS
Protection class	IP54



FEATURES

Frequency Adjustment: Users can adjust output frequency of the controller to best vibration frequency of the vibratory feeder to get smooth, quiet and energy-saving feed effect.

Automatic Voltage Regulation: Eliminate both feed speed variation caused by mains voltage fluctuation and beat effect caused by industrial AC frequency.

Soft Startup: In order to avoid sudden shock to the feed material and vibratory feeder, the controller can gently increase output voltage from 0 to the preset value when startup.

Remote ON/OFF Control: The controller has 2 groups of ON/OFF control ports. Switch sensor or PLC can be connected to them to turn on/off the controller.

Photoelectric ON/OFF Control: The CUH Intelligent Photoelectric Sensor can be connected to turn on/off the controller.

Remote Speed Control: Output Voltage of the controller can be adjusted remotely by an external potentiometer, a PLC, or a 1-5V DC signal.

24V DC Control Output: The controller can output 24V DC power associated with logical relation setting of the ON/OFF Control to drive a solenoid, an electrical relay or other external devices.

Control Panel lock: Lock all buttons on the control panel by pressing the ON/OFF button and hold for 2 seconds to prevent misoperation.

Max Adjustable Output Voltage: Max Adjustable Output Voltage can be preset to protect the vibratory feeder from damage caused by high voltage.

Overheat Protection: If internal temperature of the controller gets too high, the controller will stop its output to protect itself.

Overcurrent Protection: If output current exceeds its rated value by misoperation, the controller will stop its output to protect the controller and vibratory feeder.

Short-Circuit Protection: If output of the controller is short-circuited, the fuse inside the controller will be blown to protect the controller and vibratory feeder from further damage.



Technical Specification

TYPE	SEC SDVC31-L
Input voltage	85 / 260 V
Output voltage	0...260 V
Output current	0...1.5 A SDVC31-S 0...3.0 A SDVC31-M
Output frequency	40 / 400 Hz
Output power	0...330 VA SDVC31-S 0...660 VA SDVC31-M
Output waveform	Sine
Voltage adjustment accuracy	1 V
Frequency adjustment accuracy	0.1 Hz
ON/OFF delay	0...20 sec
ON/OFF delay accuracy	0.1 sec
Soft startup time	0...10
DC Control output voltage	22...26
DC Control output current	0...200 mA
Stand by power consumption	1.5...3 w
Display method	5 DIGIT LED digital display
Control method	1-5 V remote speed control voltage Standard TTL electric level - swinging signal / 6 buttons + LED Screen
Work space temperature	-10...60°C non condensing
Work space humidity	10...85% non condensing