

Universal Control US 2.15-M Passport



1. Purpose

The device is designed to control one electric drive through the use of several switches: to protect the drive from breakdown in the case of simultaneous pressing the «UP» and «DOWN» key switches.

2. Specifications

Supply voltage range, V~Hz.....	187-253/50
Maximum permissible switching current, A.....	10
Consumed current, mA.....	max 50
Standard commutation voltage, V.....	220-230
Number of controlled electric drives.....	1
Time of motor voltage supply (to be set), sec	
latch mode.....	from 0,2 to 180
non-latch mode.....	key press time, max 180
Overall dimensions, mm.....	52×72×26
Environmental conditions.....	dry location
Degree of enclosure protection.....	IP20

3. Connection

The device is mounted into a mounting cup under the switch or in a junction box.

! It is forbidden to supply Universal Control US 2.15-M from devices generating a non-sinusoidal voltage wave, for example, from uninterruptible power supplies with a non-sinusoidal output!

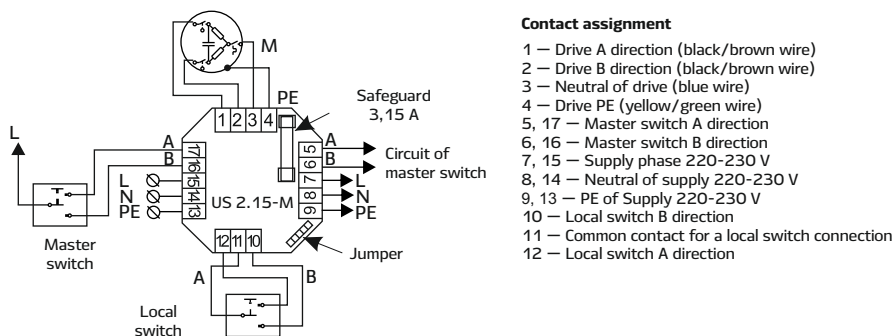


Figure 1. Typical connection diagram

4. Mode of operation

The device setting is made by moving the jumper into the required position.

ATTENTION! Move the jumper when the mains voltage is disabled only.

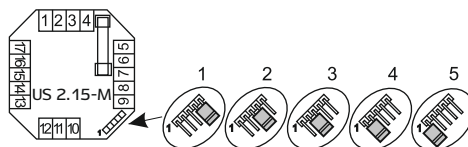


Figure 2. Typical connection diagram

1. Non-latch mode – the mode in which the roller shutter moves as long as the switch key is pressed. The mode is recommended for use when there is a likelihood of obstacles in the area of the controlled object.

2. Latch mode – the mode in which the roller shutter moves to the end position after a short press of the switch key. The mode is recommended for use in the presence of a large number of controlled objects in the absence of the likelihood of obstacles in the area of action.

3. Button switch mode – latch mode, in which the «Open» – «Stop» – «Close» commands are executed in a circle by successive pressing of the button connected instead of the switch. A one-button switch or an actuator can also be used as a button.

4. Latch mode for 180 seconds – the mode in which the roller shutter moves to the end position after a short press of the switch key for no longer than 180 seconds.

Command duration modification:

Connect the device according to figure 1 and set the roller shutter to the lowest position. That done, disable the mains voltage, move the jumper to position 4. Apply mains voltage, set the roller shutter to the highest position by pressing the «UP» key switch. 4-5 seconds after the roller shutter stops, press the «DOWN» key switch. Disable the mains voltage and move the jumper to the position 2 to switch to the latch mode. Apply the mains voltage and check epy device operation.

5. Sunscreen mode — the mode for controlling sunscreen: they can be raised (press and hold the «DOWN» key switch for more than 1 second), rotate the lamellas (press briefly (less than 1 second) the key switch).

5. Implementation examples of different connection and operation schemes

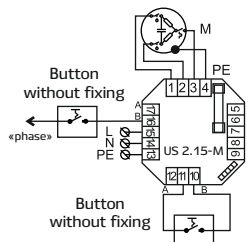


Figure 3. Button connection diagram
("OPEN" – "STOP" – "CLOSE" in a circle)

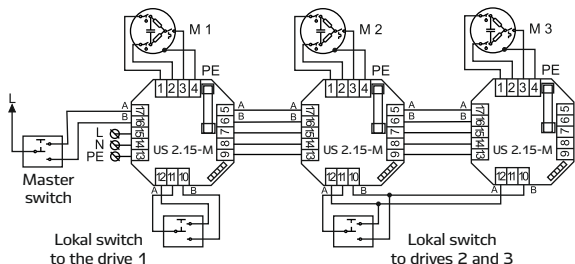


Figure 4. US 2.15-M operation case
to control 3 drives

! The scheme of connection pictured in Fig. 3 is used with one US 2.15-M device not connected to other US 2.15-M devices only and in latch mode only.

6. Current maintenance

If during operation the device fault is detected it is necessary to disconnect the device from the supply mains immediately and call maintenance personnel. Within the warranty period servicing and repair are provided by the manufacturer dealer.

7. Storage and transportation, service life

The devices should be stored in packing at temperatures from +5B°C to +40B°C and relative humidity of not more than 80% in heated and vented warehouses, in air-conditioned depots without corrosive contaminants, conductive dust, acid and alkali vapors and gases causing corrosion and insulation breakdown.

During storage, sharp fluctuations in temperature (more than 3°C / min) and humidity (more than 5%/min) of the air are not allowed.

The devices should be transported packaged, in containers, closed railway cars, heated and air-tight compartments of aircraft and holds and by trucks with rain and snow protection for any distances at temperatures from -50°C to +50°C and relative humidity of 100% at 25°C.

Average service life is 5 years min.

8. Disposal

At the end of the service life the device is subject to disposal. The device does not pose a hazard to human health and environment. The device does not contain any non-ferrous and precious metals.

12. Potential problems

Failure	Probable reason	Fault elimination
The device does not function.	There is no voltage.	Check the voltage in terminals 14 and 15.

9. Manufacturer's warranty

Guaranteed storage life is 6 months from the manufacturing date (the last 6 figures in the product serial number, for example: 191120 – November 19, 2020).

Guarantee service life is 24 months from the date of sale.

With the note of sale absent v — from the manufacturing date.

Warranty obligations cease in case of non-observance of operating conditions established by the manufacturer and mechanical damage during operation. Warranty obligations do not cover the case of failure to present the device passport.

10. Completeness

- Universal Control US 2.15-M.....1pc.
- Passport.....1pc.
- Individual packing.....1pc.

11. Acceptance Certificate

Universal Control US 2.15-M (see serial number on the first page) is manufactured in conformance with RB TR 14600442.001-97, is approved by QCD and is classified as fit for operation.



Manufacturer and representative office in Belarus

Nero Electronics LLC
Minsk FEZ, 223016, Minsk district,
Novy Dvor Rural Council, 74
Tel.: +375 17 388-53-00
+375 29 609-25-59
by-order@neroelectronics.by
www.neroelectronics.by
technical support:
+375 29 610-12-53

Representative offices in Russian Federation:

SketchNero Group LLC
15, Bolshaya Ochakovskaya St.,
119361, Moscow.
Tel.: +7 495 430-79-60
+7 495 735-64-47
info@nerosk.ru

technical support:
8 800 5000-930

Nero Spb LLC
14, Komсомola St., Build. 2,
195009, St. Petersburg
Tel.: +7 812 987-51-56
+7 981 757-90-45
spb-order@neroelectronics.by

technical support:
8 800 5000-930

Representative office in Ukraine:

Umnye resheniya LLC
21, B. Khvykoi St., Office ,
03022, Kiev.
Tel.: +38 067 679-51-22
+38 044 500-18-55
ua-order@neroelectronics.by

technical support:
+380 67 679-51-22