

PROGRAMMING MANUAL OF THE DC 448 TRANSMITTER

1. TECHNICAL SPECIFICATIONS



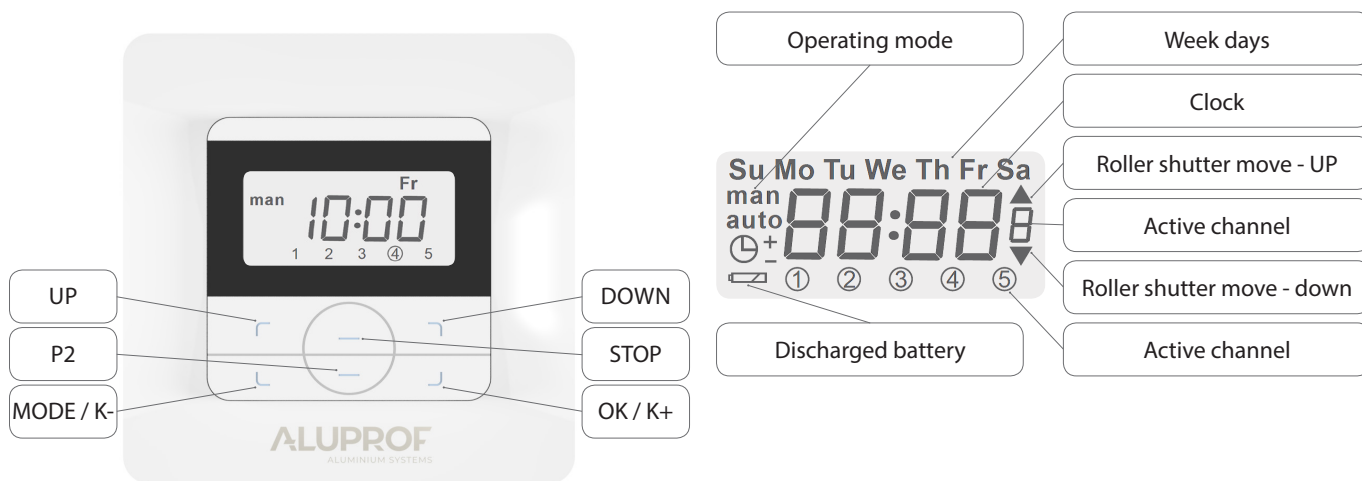
Power supply: 3 V (1xCR2430)
 Frequency: 433.92 MHz
 Operating temperature: ~ -20°C - ~ +55°C
 Average range: 200 meters (in open space), 35 meters (inside buildings)

It is compatible with all the DM series radio controlled motors and DC series control units from ALUPROF S.A. offer.

DC448 - 5-channels:
 Possible of control of 5 motors or 5 groups of motors.

Company reserves the tolerance of catalog data due the different conditions usage.

2. DIAGRAM OF THE FRONT PANEL



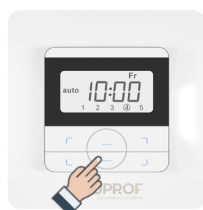
In accordance with the provisions of the Directive of the European Parliament and of the Council 2012/19 / EU of 4 July 2012 on waste electrical and electronic equipment (WEEE), it is prohibited to place of used equipment together with other wastes, marked with crossed out wheeled bin symbol. The users are obliged to transfer their used equipment to a designated collection point for proper processing. The marking means, at the same time, that the equipment was put on the market after 13 August 2005. These legal obligations have been introduced to reduce the amount of waste generated from waste electrical and electronic equipment and to ensure an appropriate level of collection, recovery and recycling. The equipment does not contain any dangerous components, which would have any particularly negative impact on the environment and human health.



3. OPERATING MODE CHANGE



Press and hold the "P2" button for 3 seconds. The mode will be changed.



By repeating procedure will change mode between: "Manual", "Automatic", "Random".

man Manual mode - without time control function,

auto Automatic mode - with time control function,

 **⊕** Random mode - with time control function with a random selected time within ± 15 minutes to the set automatic time.

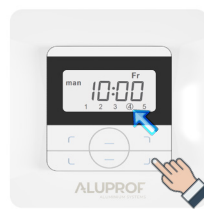
4. ACTIVE CHANNEL SELECTION



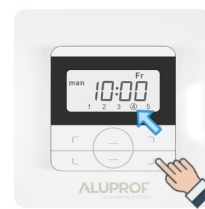
Switch to automatic or random mode.



Select the chosen channel.



Hold down the "OK / K +" button for 3 seconds, the digit of the disabled channel will flash.



Holding the "K-" button again for 3 seconds turns on the selected channel.

5. SETTING OF THE CURRENT TIME



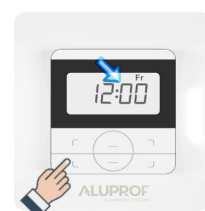
Switch to manual mode



Press and hold the "MODE / K-" button for 5 seconds. Hour digits will flash.



By pressing the "UP" or "DOWN" buttons, you can change the hour settings.



Press the "MODE / K-" button. Minutes digits will flash.



By pressing the "UP" or "DOWN" buttons, settings of the minutes can be change.



Press the "MODE / K-" button. Week day will flash.



By pressing the "UP" or "DOWN" buttons, settings of the week days can be change.



To approve entered changes press "OK/K+".

6. SETTING OF THE AUTOMATIC CONTROL TIME

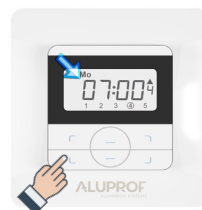
It is possible to set the days of the week in automatic control in three modes:
 1. Selected day of the week, 2. Working days, 3. Working days and Saturday, 4. The whole week



Switch to automatic or random mode.



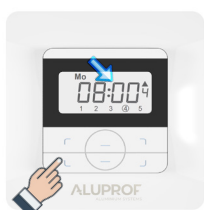
Press and hold "MODE/K-" button for 5 seconds. The lifting hour will be displayed.



Press the "MODE/K-" button again. Hour digits will flash.



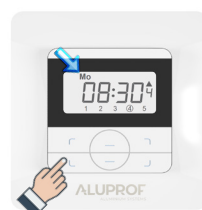
By pressing the "UP" or "DOWN" buttons, you can change the hour settings.



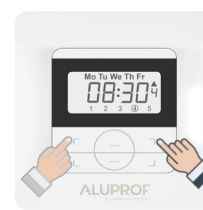
Press the "MODE / K-" button. Minutes digits will flash.



By pressing the "UP" or "DOWN" buttons, settings of the minutes can be changed.



Press the "MODE / K-" button. Week days will flash.



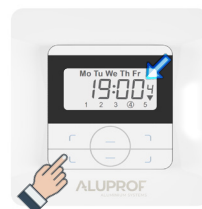
By pressing the "UP" or "DOWN" buttons, settings of the week days can be changed.



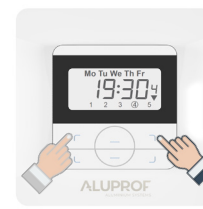
Press the "OK/OK+" button. The lowering hour will be displayed. Hour digits will flash.



By pressing the "UP" or "DOWN" buttons, you can change the hour settings.



Press the "MODE / K-" button. Minutes digits will flash.

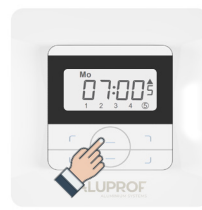


By pressing the "UP" or "DOWN" buttons, settings of the minutes can be changed.



Press the "OK / K +" button to confirm the settings and switch to the next channel.

Repeat the above steps to set the hours for other channels.



Press the "STOP" button to save the changes made.



Changes have been saved. The display shows the current time

The symbol "-- : - -" in the automatic control time settings means that the control is not active.

To automatically control receivers from all the channels setting up a group channel on the transmitter is required. Group channel is active when all channels numbers are highlighted.

In the auto mode interval between lifting and lowering time cannot be less than 32 minutes, otherwise the display will show "ER:01" error.

7. LOCKING OF THE BUTTONS



Holding the "MODE / K-" and "OK / K+" buttons simultaneously for 3 seconds will lock the buttons of the transmitter.



For active key lock function, "LOCK" will any press of the transmitter buttons will show the information "LOCK" on the display.



"LOCK" will be display for active key lock function if any of the transmitter buttons will be press.