TECHNICAL SPECIFICATION: *ZRH 12 REMOTE CONTROL*

I. DESCRIPTION

The ZRH 12 remote control is intended for remote operation of accessories compatible with the Z-Wave standard. It allows to control a maximum of 12 devices in each of 12 groups (total of 144 devices). Currently chosen group is marked with a number on the display.

II. COMPATIBILITY WITH FAKRO PRODUCTS

The ZRH12 remote control can operate the following FAKRO accessories:
- Actuator: ZWS12, ZWS230
- Automation set: ZWZ230
- Roller shutter: ARZ Z-Wave, ARZ Solar
- Awning blind: AMZ Z-Wave, AMZ Solar
- Vertical awning blind: VMZ Z-Wave, VMZ Solar
- Vertical roll-up awning VMB Z-Wave, VMB Solar
- Internal blackout blind: ARF Z-Wave, roller blind: ARP Z-Wave
- Venetian blind: AJP Z-Wave
- Window: FTP-V Z-Wave, FTU-V Z-Wave
- Flat roof window: DEC Z-Wave, DEF Z-Wave
- Devices of other manufacturers compliant with the Z-Wave standard

III. AVAILABLE FUNCTIONS

- **INCLUDE** (adding device to network)
- **ASSOCIATE** (adding device to group)
- **COPY GROUP**
- **ASSIGN A ROUTE** (adding distant device)
- **LISTENING MODE**
- **LEARN MODE**
- **DELETE NODE** (removing device from group)
- **DELETE GROUP**
- **EXCLUDE** (removing device from network)

IV. Z-Wave Device Classes

Basic Device Class:	BASIC_TYPE_CONTROLLER
Generic Device Class:	GENERIC_TYPE_GENERIC_CONTROLLER
Specyfic Device Class:	SPECIFIC_TYPE_PORTABLE_REMOTE_CONTROLLER

V. Z-Wave Command Classes

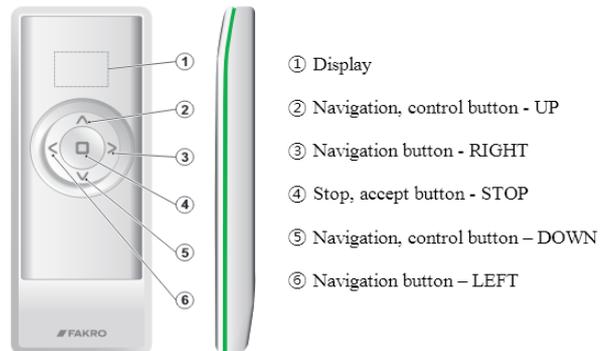|	
Command Classes:	COMMAND_CLASS_ZWAVEPLUS_INFO COMMAND_CLASS_BATTERY COMMAND_CLASS_VERSION COMMAND_CLASS_POWERLEVEL COMMAND_CLASS_ASSOCIATION COMMAND_CLASS_ASSOCIATION_GRP_INFO COMMAND_CLASS_MANUFACTURER_SPECIFIC COMMAND_CLASS_DEVICE_RESET_LOCALLY COMMAND_CLASS_WAKE_UP

VI. TECHNICAL SPECIFICATION

Power supply	2 x 1,5V AAA
Radio protocol	Z-Wave 5 gen.
Frequency	EU – 868.4 MHz; AS/NZ – 921.4 MHz; US/Canada – 908.4 MHz; RU – 869 MHz; (depending on the version)
Range	Up 20 m in the building
Working temperature	0 – +40°C
Display	2-digit, 8-section
Weight	0.096 kg
Dimensions	125 x 48 x 16 mm
Remote control operation	12 groups (max. 12 devices); Up to 144 devices in the remote control

VII. REMOTE CONTROL STRUCTURE

① Display

② Navigation, control button - UP

③ Navigation button - RIGHT

④ Stop, accept button - STOP

⑤ Navigation, control button – DOWN

⑥ Navigation button – LEFT

VIII. ZRH12 MENU

HOLDING STOP + UP BUTTON FOR 3 SECONDS

9S - QUICK START / ADDING DEVICE (QUICK START) - Adding devices both to network and group.

AS - ASSOCIATE / ADDING DEVICES TO GROUP.

In - INCLUDE / ADDING DEVICES TO NETWORK.

CO - COPY GROUP – Copying groups to other remote controls in the same network.

Ar - ASSIGN A ROUTE / ASSOCIATING DEVICES – Control signal is sent between associated devices.

LI - LISTENING MODE – It enables remote configuration of the remote control from another controller.

88 - Back to previous screen.

HOLDING STOP + DOWN BUTTON FOR 3 SECONDS

Ln - LEARN MODE – It enables to add the ZRH12 remote control to the network as SECONDARY.

dn - DELETE NODE / REMOVING DEVICES FROM GROUP.

dG - DELETE GROUP / REMOVING GROUP – It removes the entire selected group.

EL - EXCLUDE / REMOVING DEVICE FROM NETWORK.

dF - DEFAULT / RESETTING REMOTE CONTROL – It resets settings of the remote control and removes information about devices and network.

88 - Back to previous screen.

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