

Data sheet**Control system for 2 monitors M1/MPN-DC***helicopter landing platform***1. Control system according to block diagram, consisting of the following components:**

- Control cabinet
- Portable operating panel
- radio control system (additional option)

Including Engineering, PLC programming, documentation, control cabinet assembly and internal test.

The connections between control cabinet and monitors as well as valves and receiver of the radio control systems must be done on-site.

2. Descriptions of components**2.1 Control cabinet**

- Completely wired control cabinet with PLC control unit for control of 2 monitors M1/MPN-DC and 2 valves
- Housing, type Rittal, wall mounted
- Power supply 230 V 50 Hz AC (single phase)

Control features of the control cabinet:

- Control of monitors equipped with multipurpose nozzle (moving RIGHT/LEFT/UP/DOWN and pattern selection of the nozzle, moving to rest and working position)
- Control of water valves, equipped with 24V DC solenoid
- Moving to parking position
- Oscillating mode
- Automatic self-test
- Common fault signal

We reserve the right to make technical modifications without prior notice.

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2.2 Portable operating panel

Built-in housing, made of plastics, protection IP 65, fitted with operating elements as described below and 5 m flexible cable with plug and socket outlet.

- Selection switch 0-1-2 (activation of panel and selection of monitor)
- Joystick for movements LEFT/RIGHT/UP/DOWN
- 2 push buttons for stepless change of spray pattern (spray/full jet)
- Illuminated push-button OPEN/CLOSE for water valve
- Illuminated push-button Oscillation START/STOP

2.3 Radio control system (additional option)

Key-features for receiver:

- Connected via CAN-Bus cable to switchgear cabinet
- Protection class IP 65
- Power supply (from the switchgear cabinet via UPS): 24 V DC
- Equipped with antenna

Key-features for transmitter:

- Design for outdoor use (protection class IP 65)
- Fitted with following operating elements:
 - 1 power switch On/Off
 - 1 selector switch Monitor 1 / 2
 - 1 Joystick
 - 1 toggle button for changing from stream to fog
 - 1 toggle button valve OPEN/CLOSE
 - 1 toggle button oscillation ON/OFF
 - LED for the indication of operation / battery status
- Rechargeable NiMH exchange battery, about 8 hours of continuous operating time
- Protection class IP65
- Accessories:
 - 2 NiMH batteries
 - Hip belt
 - Single slot charger set 230V AC
- Frequency: 433,100Mhz – 434,750Mhz acc. to ISM band / EU1 band
- Transmitting range: appr. 100 m provided that there are no obstructions

3. Block diagram

Please find enclosed BLDK-211_eco