

Wireless remote control of disconnectors' motor drive

MDCviaGSM

APPLICATION

Wireless remote control of motor drive MCDviaGSM allows remote maneuvering of the drive, while monitoring and transmitting the current status of the device to the signal recipient. It is designed to work with ELTOM motor drives, giving the user the possibility of remote control, providing current information on opening or closing the device. MDCviaGSM contains a GSM module with a 3G UMTS/HSPA+ connection, which gives the possibility of a wireless network connection with the device.



TECHNICAL DATA

PARAMETER	VALUE
The rated voltage of operating	230 VAC
Rated operating frequency	50 Hz
Maximum power consumed	500 W
Rated voltage for motor drives	24 VDC
Relative humidity	40 - 95%
Atmospheric pressure	700 - 1060 hPa
IP certificate	IP 54
Air temperature	30 - 40°C
Dimensions	600 x 460 x 335 mm
Weight	45 kg
Place of assembly	on pole

CONSTRUCTION AND OPERATION

The MCDviaGSM wireless control system is mounted in a ventilated cabinet, thanks to which the device can operate in a wide temperature range. The built-in thermostat constantly checks the current temperature, and if it increases, it automatically turns on the installed fan to lower it.

MDCviaGSM grid power supply equals 230 VAC, it contains two 12 V/18 Ah batteries, which enables it to operate even during power shortages.

Thanks to MDCviaGSM it is possible to operate the motor drive via Internet or LAN. The user can

also trigger the drive from built in battery.

Built-in 3G UMTS/HSPA+ enables for remote control of the drive. This solution also allows you to connect two SIM cards in case one of them is damaged. The wireless control system can also be connected to the drive using a standard Ethernet cable. To secure the connection, it is expected to use a VPN.

For communication, MDCviaGSM uses the standard Modbus protocol, so that the user receives the current status of the drive, while also having the possibility of remote control.

Information received remotely through the use of the system:

- » status of chargers
- » battery / AC opening
- » battery charge status
- » remote opening / closing of the drive door
- » drive status (open / closed / during opening / during closing)