

EXPANSION MODULE (EM) "EVO NGIO"

PURPOSE OF THE PRODUCT

The NGIO input-output expansion module (hereinafter referred to as EM) is intended for the construction of building automation systems and adjacent territories, as well as for the creation of automated control systems for technological equipment together with the NGC base unit.

SPECIFICATIONS	
OVERALL DIMENSIONS	Length, max - 195 mm Width, max - 100 mm Height, max - 55 mm Weight - no more than 500 grams
POWER SUPPLY	Supply voltage, V: 9 28 Consumed current, A, no more: 0.75 Reverse polarity protection Overcurrent protection Overvoltage protection
RS-485	Quantity: 2 Type: galvanically isolated Operating mode: half-duplex Maximum data transfer rate, kbit / sec: 115200 Exchange protocol: MODBUS-RTU (1xMaster, 1xSlave) Maximum number of connected devices: 32 Insulation voltage, kV: 2.5 ESD protection, kV: ± 15
DIGITAL INPUTS	Number: 16 Type: galvanically isolated, by "minus" Rated current consumption, mA: 10 Insulation voltage, kV: 2.5 ESD protection, kV: ± 15
PWM OUTPUTS	Quantity: 4 Type: Open collector Maximum output current, mA: 100 Maximum voltage, V: 40 PWM frequency, Hz: 100 10000

ANALOG OUTPUTS (with additional PCB)	Quantity: 16 Type: 0-10 V Maximum output current, not less, mA: 20 Minimum output voltage, no more, V: 0.75 Maximum output voltage, not less than, V: 10
1-WIRE BUS	Quantity: 3 Maximum number of connected devices: 32 The possibility of parasitic power: Yes Supported baud rates: Standard and overdrive Rated voltage on the bus, V: 5

CONSTRUCTION TYPE – Stationary

PROTECTION DEGREE – Not less than IP20

 $\begin{tabular}{ll} \textbf{MODE OF OPERATION} - \textbf{Continuous round-the-clock} \\ \end{tabular}$

AC is not for installation and operation in explosive and fire hazardous conditions. Precious metals did not exist.

The spacecraft is not for work in special environments. Qualified personnel are required for installation and use.

DISPOSAL INFORMATION

The box does not belong to environmentally hazardous products and does not harm the environment and human health during storage, transportation, operation and disposal. No special measures to protect the environment from harmful effects are required when disposing of the device.