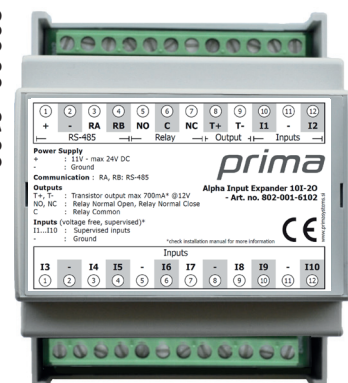


Datasheet

Multipurpose Input expander
Multipurpose Output expander



Multipurpose Input expander



Multipurpose Output expander

Technical data	
Supply voltage	Min 11V DC – Max 24V DC
Typical supply current	30mA (without activated outputs)
Max supply current	Alpha Input Expander: 50mA (without load on transistor output) Alpha Output Expander: 200mA
Communications	RS485 port, using MODBUS protocol with encrypted data
Operating temperature	–20°C to +70°C
Storage temperature	–45°C to +85°C
Wiring and cable installation	
Max. cable distance from central	Up to 200 m Check the wiring diagram INS1610 for details
Wiring:	+ 11-24V DC input - Ground RA RS-485 BUS RB RS-485 BUS
Installation	Installation of the equipment must be done by a professional electrician on restricted access location
Features	
Inputs	Voltage free supervised inputs. Check the wiring diagram INS1610 for details. Alpha Input Expander 10I-20: 10 supervised inputs Alpha Output Expander 1I-60: 1 supervised inputs
Relay output	Max load 30VDC, 2A Alpha Input Expander 10I-20: 1 relay output Alpha Output Expander 1I-60: 6 relay outputs
Transistor output	Transistor MOSFET output, low side switch Max load 700mA @ 12V Alpha Input Expander 10I-20: 1 transistor output Alpha Output Expander 1I-60: No transistor output
LED	Green LED for each input/output Amber LED hard beet indication
Housing	
Size	L: 71mm × W: 91mm × H: 62mm for 35 mm DIN-rail
Material	Central housing is made of self-extinguishing blend PC ABS, system housing is made of Acrylonitrile Butadiene Styrene (ABS).
Colour	Grey
Weight	107g
Standards and certificates	CE
Warranty	5 years