IOMOD models and types

The IOmod series comprises devices that incorporate various input and output modules. These modules all operate using one of three firmware versions (except for 4Cs4Vs, which uses one of two). These firmware versions serve to distinguish the communication protocols utilized via the RS485 interface. Importantly, all types of IOmod devices employ the same firmware and do not necessitate specific firmware for their respective types. IOmod devices are designed with the capability to automatically identify the hardware type and determine the supported functions.

IOmod finds utility in industrial settings where digital signaling and robust communication are essential. It serves as an ideal solution for applications like data acquisition, control, and process monitoring, particularly in scenarios requiring remote access.

IOmod type	**Inputs**	**Outputs**	**Power supply**	**Supported functions**
IOMod 8DI8DO	8x DI (12-24 DC)*	8x DO (open collector outputs)	12-24 VDC	Digital inputs readings with time resolution 1ms; Commands execution;
IOMod 16DI	16x DI (12-24 DC)*	-	12-24 VDC	Digital inputs readings with time resolution 1ms; Pulse counter (in modbus RTU)
IOMod 8AI	8x AI (±10 VDC // ±20 mA) including ranges (0..10 VDC, 0..20 mA, 4..20 mA) **16bit ADC**	-	12-24 VDC	Analog inputs readings: 0..10V (DC); 0..20mA (DC); 4..20mA (DC)
IOMod 4RTD	4x RTD (PT100; PT1000) including 2,3,4 sensor wiring.	-	12-24 VDC	Temperature readings;
IOMod 8DI4RO	8x DI (12-48 VDC)*	4x Relay outputs (5 A; 250 VAC)	12-24 VDC	Digital inputs readings with time resolution 1ms; Commands execution;
IOMod 4Cs4Vs	4x AC current inputs (225 mV) 4x AC voltage inputs (3.25 V/√3)	-	12-24 VDC	Current readings; Voltage readings;
IOMod HT	Ambient temperature -30C ..+ 80C; Humidity 20..100%	-	12-24 VDC	Temperature readings; Humidity readings;
IOMod HT(advanced)	Ambient temperature -30C ..+ 80C; Humidity 20..100%	2x Relay outputs (2 A; 250 VAC)	12-24 VDC	Temperature readings; Humidity readings; Remote relay control; Relay control based on temperature; Relay control based on humidity.

* - on request can be delivered IOmod modules with input voltages for 48VDC and 110VDC power systems.

Revision #9
★Created 6 October 2020 12:40:45 by Raimundas Slavinskas
Updated 30 August 2023 12:36:07