

Eagle-0201

Universal Analog I/O Modules:

- DIN Rail or Panel mounted compact I/O modules
- Indication for Diagnostics, Power and Communication
- Adds I/O capability to your PLC, SCADA and Modbus networked devices
- Programmable inputs allow same modules to accept RTD, Thermocouple, mA, mV
- 12 bit 8 universal analog inputs with or without analog outputs
- Direct connection to PLC programming terminal with support for most PLC's
- Direct connectivity as Modbus Master or can be multidropped as Modbus Slave
- Common Programming software for the entire Eagle family.......FREE!!
- CE and CSA marked

Possible Applications



Images not to scale.

Typical Wiring Diagrams



Eagle-0207

 Load:
 Less than 500 Ω

 4-20 mA
 Less than 500 Ω

 0-10 V DC
 Minimum 400 Ω

 Temperature Drift (for Digital Count)
 60 PPM

Basic Operations

Eagle units accept universal field inputs (such as RTD, T/C, mA, and mV) and convert them to actual field values like temperature, pressure etc. before sending them to the PLC. Similarly It can also read values in PLC registers and scale the 4-20mA output accordingly.

Input and Output channels of Eagle are user configurable and any combination of input types is possible. Eagle Setup Software helps the user configure the Eagle units and use them as per his requirements.

Linearisation: 16 point linearisation is provided for mV and mA inputs, which helps user to convert non-linear segments into required engineering value.

System requirements for Eagle Setup Software are:

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Windows Version	:	Microsoft Windows 3.1 or higher
Processor	:	386 or higher
Hard disk Space	:	3 MB or more
Serial Mouse	:	Required
RAM	:	2 MB or more
Display resolution	:	640 x 480 (VGA) or better
Display colors	:	16 colors or more

Other Items required for Eagle configuration:

- 1. Eagle unit
- 2. +24VDC regulated power supply
- 3. IBM Cable (Partcodes: IBM 0909-1 or IBM 0925-1)
- 4. Eagle Setup Software
- 5. Eagle to Device cable

Models

Model	Inputs	Outputs	Ordering Part Number	Listing
Eagle 0201	2 Universal	1 Analog (4-20 mA)	Eagle-0201-U	CE/CSA
Eagle 0404	4 Universal	4 Analog (4-20 mA / 0-10 V DC)	Eagle-0404-U	CE/CSA
Eagle 0800	8 Universal	0	Eagle-0800-U	CE/CSA
Eagle 1600*	16 Linear	0	Eagle-1600-L	
Eagle 0008*	0	8 Analog (4-20 mA / 0-10 V DC)	Eagle-0008-U	

More models are being added. We also make custom models

* Coming soon. Contact factory for details.

PLC's Supported

		Cable Part Numbers		Pass-through
PLC	COM Port	Eagle0404, Eagle0800	Eagle0201	Support
AB Micrologix	RS232	SC-E-027A-00	SC-E-027A-00	√
AB SLC 500 (DF1 and DH485)	RS422	SC-E-007-00	-	Network
Aromat FP0 Series	RS232	SC-E-015A-00	SC-E-015A-00	✓
Aromat FP1	RS485	SC-E-015B-00	SC-E-015B-00-S1	√
Delta DVP Series	RS232	SC-E-044-00	SC-E-044-00	√
Fuji NB0	RS485	SC-E-028-00	SC-E-028-00-S1	Х
GE Series 90-30 (SNP)	RS485	SC-E-002-00	SC-E-002-00-S1	✓
GE VersaMax, RJ45	RS232	SC-E-002A-00	SC-E-002A-00	✓
GE VersaMax, DB9	RS232	SC-E-002B-00	SC-E-002B-00	✓
IDEC Micro ³	RS422	SC-E-025A-00	SC-E-025A-00	✓
IDEC Microsmart	RS232	SC-E-025B-00	SC-E-025B-00	✓
Keyence KV Series	RS232	SC-E-018-00	SC-E-018-00	\checkmark
Koyo DL205	RS232	SC-E-005-00	SC-E-005-00	Х
LG-Master K Series	RS232	SC-E-037-00	SC-E-037-00	Х
Mitsubishi FX0	RS485	SC-E-008A-00	SC-E-008A-00-S1	✓
Modbus Slave	RS232/RS485*	User Supplied	User Supplied	Multidropping
Omron (Host Link) - 9 pin	RS232	SC-E-006B-00	SC-E-006B-00	✓
Omron (Host Link) - 25 pin	RS232	SC-E-006C-00	SC-E-006C-00	\checkmark
Siemens S7-200 / Micro	RS485	SC-E-029-00	SC-E-029-00-S1	✓
Telemecanique TSX07/37	RS422	SC-E-026A-00	SC-E-026A-00-S1	Network
Telemecanique TSX17	RS485	SC-E-017A-00	SC-E-017A-00-S1	Х
Toshiba T1	RS232	SC-E-019A-00	SC-E-019A-00	✓
Toshiba T2	RS232	SC-E-019B-00	SC-E-019B-00	✓

* Software Selectable

New PLC drivers are constantly added. Please contact factory for more information. We welcome an opportunity to develop new drivers.

