

ES300

Remote I/O – serial peer to peer bidirectional signal mirroring device

Direct input to output signal communication, with high speed I/O refresh. Conveys up to 66 I/O signals (64 digital + 2 analog), through a specific serial line, reducing cabling costs with no signal degradation.



This device is particularly suitable for machines with a rotating part, where the I/O signals of the control panel can be replicated in the rotating part simply using a two-ways slip ring.

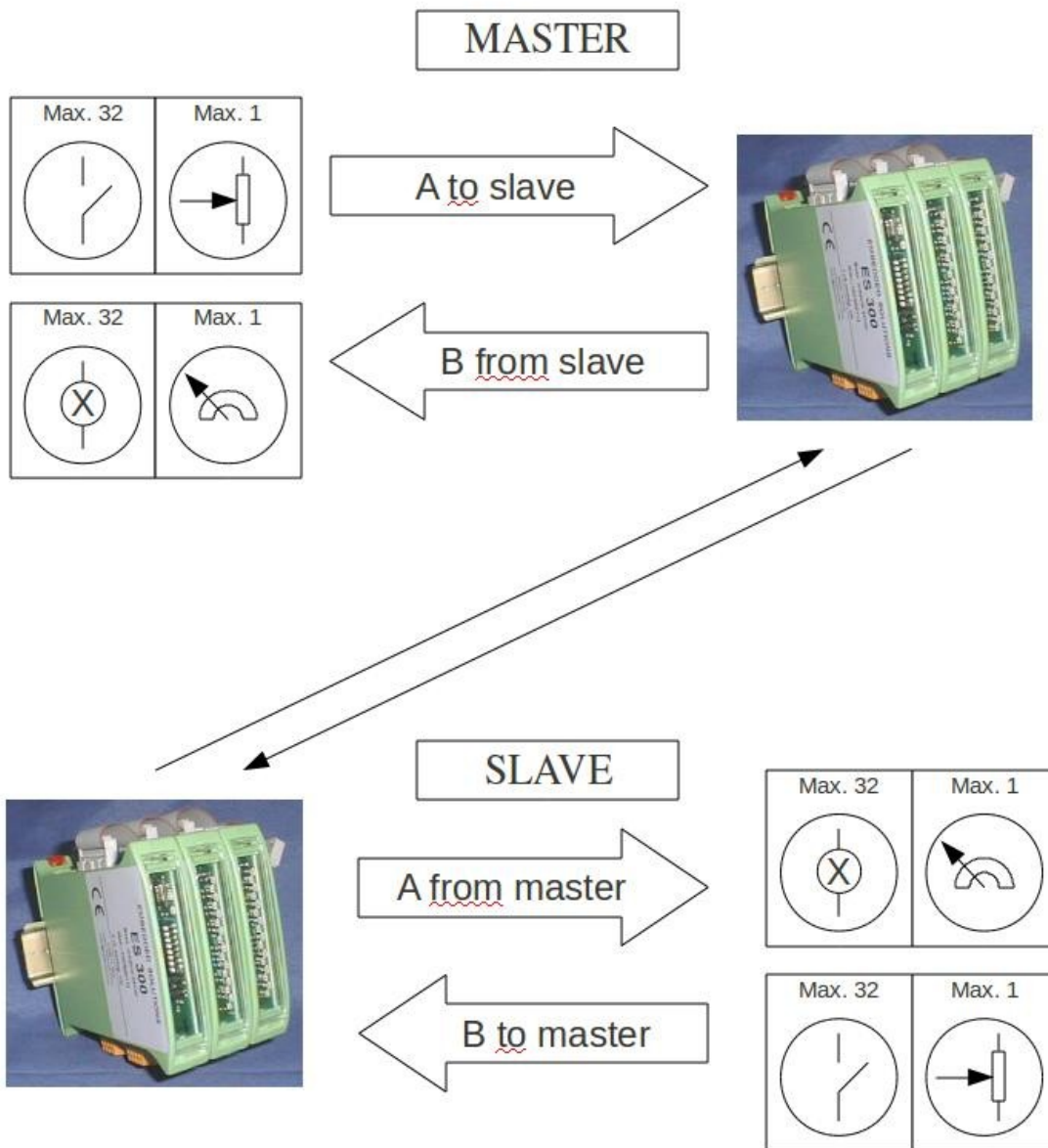
The system is composed of a pair of modules, a “master” and a “slave”; it is fitted to transmit the input signals on the master to the slave outputs, and vice versa, through the specific serial line.

Each module is made up of an ES300 device (control logic, master/slave serial communication, analog I/O) to which can be added up to 32 PNP digital inputs (24Vdc.) and up to 32 PNP digital outputs (24 Vdc. - 1A) using the expansion devices ES310, ES320, ES330.

The response time of the signals between master and slave is **10 milliseconds**, in other words a signal sent to one device, master or slave, is transmitted to the other device with a maximum delay of 10 milliseconds.

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- Power supply 24 Vdc.
- Configurable analog I/O 0-10V , 0-5V , -5+5V
- PNP inputs 24 Vdc.
- PNP outputs 24 Vdc. - 1A
- Response time 10 milliseconds

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