

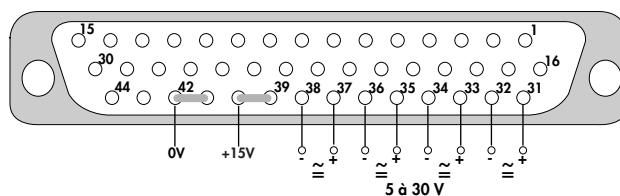
«Remote Control» connector wiring (ACT 201 H box version)



When the units containing the control circuits are equipped with dry contact outputs, it is the customer's responsibility to use the outputs in compliance with safety regulations.

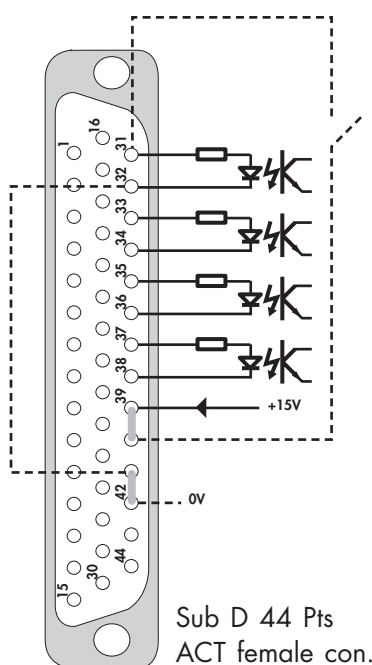
The control by voltage

The inputs are activated when an AC or DC voltage is applied. The voltage should be between 5 and 30 volts. For local operating mode, +15 V voltage is available between contacts 39 and 41 (DB 44 contacts, female connector).



Principle of the input controlled by voltage

Example: Ext. Safety engaged

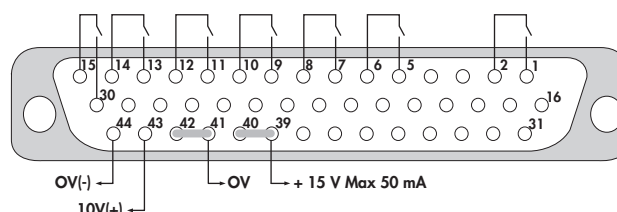


Ext. Safety 31	Inactive: the external safety device is engaged (e.g. an emergency stop) Active: pump operation authorised
REMOTE Mode 33	Inactive: local mode (pump control using front panel keyboard) Active: remote mode validated
STAND-BY Mode 35	Inactive = operation at nominal speed Active = operation at reduced speed
Start / Stop 37	Inactive: Stop. Active: Start.
32 - 34 - 36 - 38	Input return 31, 33, 35 and 37.
39 - 40	+ 15 V
41 - 42	0 V

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Signaling using output contacts:

These are dry contacts (**250VAC-1A**), their function is to replicate the data concerning the pump operating status.



Output contact description:

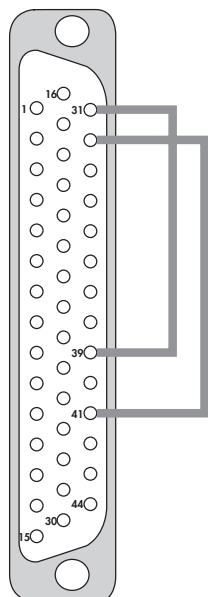
1 - 2	Closed when the pump is in running-in mode.
5 - 6	Closed when the pump is accelerating.
7 - 8	Closed when START is activated and open when STOP is activated. This contact can be used to drive a roughing pump (<i>see C 30</i>).
9 - 10	Closed when STANDBY is activated.
11 - 12	Open when a fault or a power failure occurs.
13 - 14	Closed when nominal speed is reached.
15 - 30	Contact to control the air inlet valve. Open when the air inlet is required (<i>see C 20</i>).

A 0-10V analog output is used to monitor variations in certain pump parameters (speed, temperature, etc.)
This data can be used to plot curves.

44 - 43	Used to monitor the selected parameter in the "Set Analog output" menu (<i>see B 120</i>).
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Use in local mode ■ Standard connector plug (factory wired)

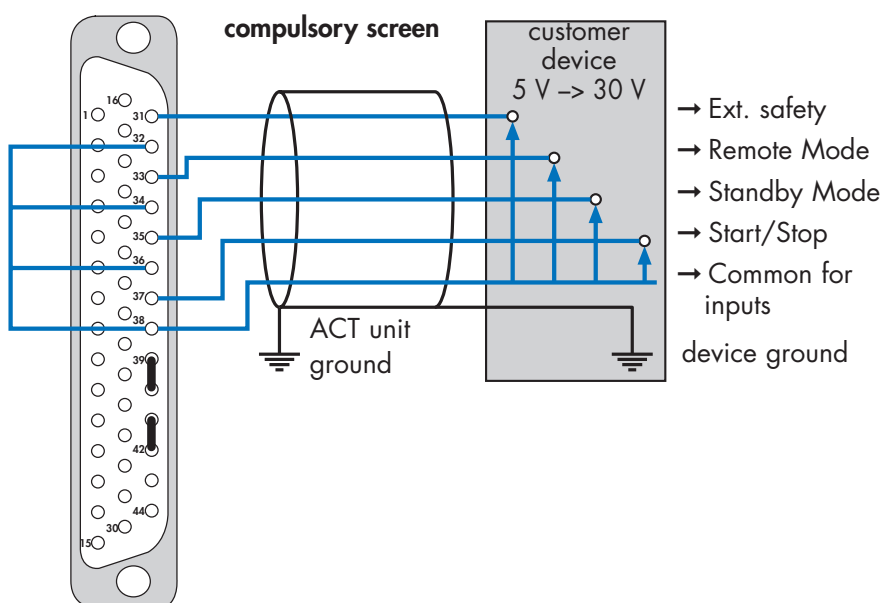


Wiring seen from solder side

Use in remote control mode

■ With galvanic isolation (recommended)

Wiring seen from solder side.



«Remote Control» connector wiring (ACT 201 H box version)

Use in remote control
mode (ctd)

■ Without galvanic isolation (not recommended)

Wiring seen from solder side.

