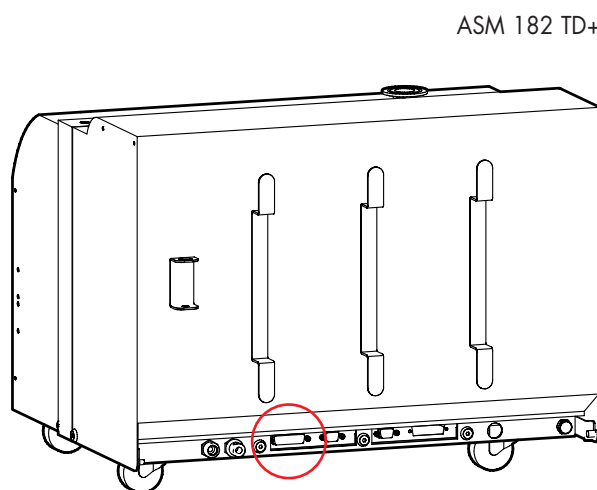
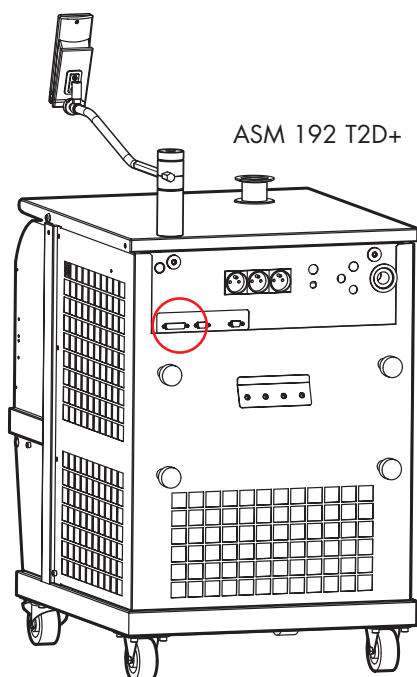


Controlling the detector with the I/O interface

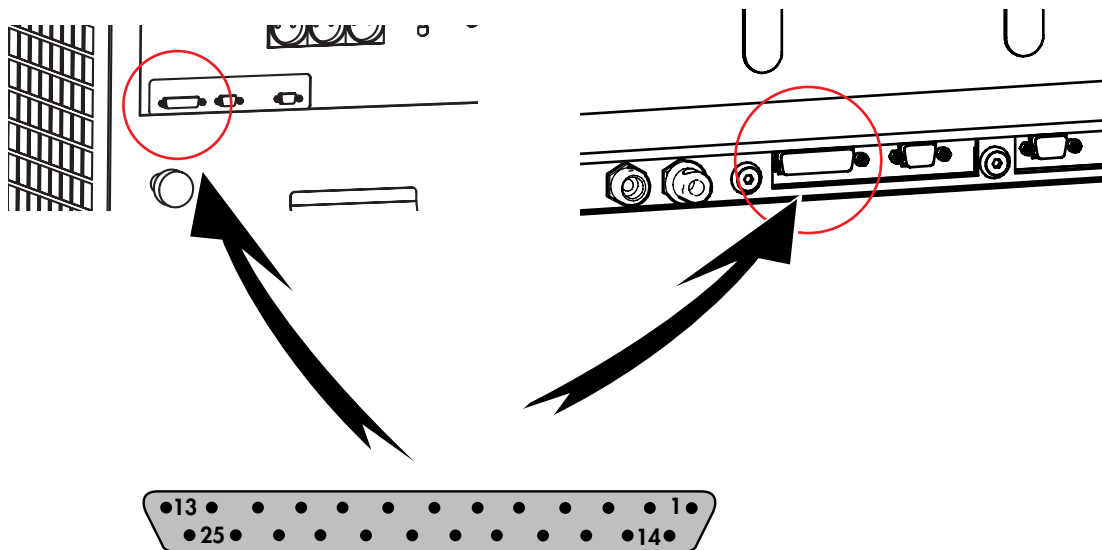
Purpose of the I/O interface

The I/O interface makes it possible to control the leak detector with a PLC or any other external control device.



Location of the I/O interface

The I/O interface is available on a Sub D 25 pin Female connector located on the side of the leak detector.

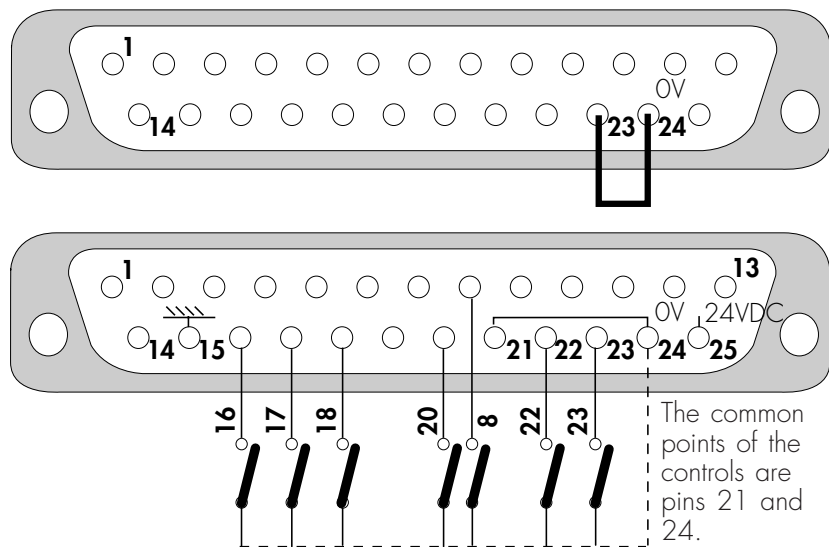


Controlling the detector with the I/O interface

Connect the jumper plug if the I/O interface is not used

In the absence of external control, the jumper plug supplied with the detector must be kept in place in order to use the operator interface (contacts 23-24 connected):

Prepare the connector wiring



It is recommended to use a shielded cable which is grounded on the connector cap.

The controls (inputs)

23 Interface **Contact open:** the detector is controlled by the I/O interface.
Contact closed: the unit is controlled by the operator interface.

22 Calibration Falling edge: Autocalibration sequence start

8 Cycle Falling edge: Cycle start

20 Filament Closed: Filament on

18 GL mode Closed: Gross Leak mode selection

17 LDS mode Closed: LDS mode selection

16 Inlet vent Closed: Automatic vent mode selection

Note: if contacts 22 and 8 are kept closed to ground, the "cycle" and "autocal" keys on the operator interface are inactive.

Controlling the detector with the I/O interface

The signals (outputs)		Contact closed
Dry contacts: Direct current: 60 V - 60 W or 2 A max Alternative current: 40 V - 125 VA or 2 A max		1 - 2 Sniffer mode (LDS)
		3 - 4 Gross Leak mode
		5 - 6 High sensitivity mode
		7 - 9 Cycle in progress
		10 - 11 Filament on
		12 - 13 Helium signal > Reject setpoint
Recorder output		19 - 15 Analog output 0 - 10 VDC (inlet pressure)
		14 - 15 0 - 8 VDC analog output (Helium signal)
Note:		
	15	Internal ground
	24	Common (external ground)
	21	Common (external ground)