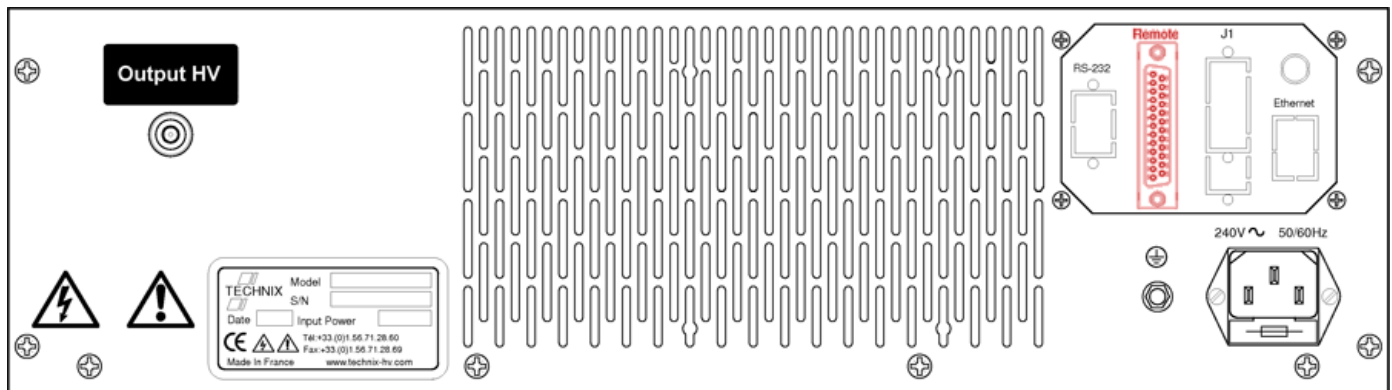


# Application note

## 0-10V 25 POINTS REMOTE INTERFACE

From september 2011, all our units are delivered in standard with a 25 pins SubD connector 0-10 V Remote interface.

Remote 25 pts	Signal	Signal Description	Way
1	<b>HV Off Control</b>	produced by a fleeting opening to the ground (pin16)	Input
2	<b>Fault Monitor</b>	Fault information 0V = Fault ; +15V = no default	Output
3	<b>Interlock Monitor</b>	Open Interlock information 0V = open; +15V= Closed	Output
4	<b>HV On Control</b>	produced by a fleeting closure to the ground (Pin16)	Input
5	<b>Voltage Monitor *</b>	0 to 10 V = 0 to 100% of output voltage	Output
6	<b>Current Monitor *</b>	0 to 10 V = 0 to 100% of output current	Output
7	<b>Inhibit Control</b>	Activated by a TTL or a CMOS signal (5V to 24V)	Input
8	<b>Remote Control</b>	Activate when this pin is connected to ground ( Pin16 )	Input
9	<b>NC</b>		
10	<b>Arc monitor (Mains Monitor for older models)</b>	Generates a signal when an arc is detected: +15V: No arc; 0V: arcs are detected Older models (shipped before january 2023): Generates a fault if the mains input is failing: 0V = Mains is fine ; +15V: Mains is failing	Output
11	<b>Power Monitor * (only on LPR model)</b>	0V to 10V = 0 to 100% of the Output Power (only on LPR model)	Output
12	<b>Copy of Local Voltage Setting</b>	0-10 V copy of the Voltage setting selected with the front panel potentiometer	Output
13	<b>Copy of Local Current Setting</b>	0-10 V copy of the Current setting selected with the front panel potentiometer	Output
14	<b>Current Setting</b>	Output current setting 0 to 10 V = 0 to 100%	Input
15	<b>+10V Reference</b>	+10, V, 5 mA Max	Output
16	<b>0V Digital Ground Ref.</b>	0V Ground reference for digital signals	Output
17	<b>Voltage setting</b>	Output voltage setting 0 to 10V = 0 to 100%	Input
18	<b>CCR: End of Charge Monitor SR: Regulation Monitor</b>	CCR: 15V – 10mA max = End of Charge SR: 0V = Current Regulation , +15V** = Voltage Regulation	Output
19	<b>HV On Monitor</b>	0V = HV off ; +15V = HV on	Output
20	<b>0V Analog. Ground Ref.</b>	0V Ground reference for Analog signals	Output
21-22-23	<b>NC</b>		
24	<b>Interlock Control</b>	Interlock order : Connect this pin to Digital Ground (pin 16) for closing Interlock	Input
25	<b>+10V Reference</b>	+10, 5 mA Max	Output



Example of 25 points 0-10V analog remote for 3HU model