

Product Name and Type

Product Name and Type	Range	Fan control: bits 0 to 3 Voltage class: bits 4 to 7 Drive size: bits 8 to 15	0 ÷ 3 – see Table 12 0 ÷ 3 – see Table 11 0 ÷ 81 – see Table 10
	Address	Product type: 1736	
	Function	This screen displays the name of the product (PENTA) and the type of product (see example below) .	

P	r	o	d	u	c	t		N	a	m	e
P	E	N	T	A							
T	y	p	e		0	0	2	0		4	T
											_

The product name (PENTA) appears in the second line of the display/keypad. The third line shows the voltage class, the size of the drive and the type of fan control.

In the case shown in the example, the voltage class is 4T (400V), the size of the drive is 0020 and the fan operation is not controlled by the drive (character _).

The numbers corresponding to the different models of the Penta Drive are given in the table below:

Table 10: Indexes corresponding to the different models (sizes) of the Penta Drive.

Index	Model	Index	Model	Index	Model	Index	Model	Index	Model
0	0005	17	0035	34	0150	51	0313	68	0749
1	0007	18	0036	35	0162	52	0314	69	0750
2	0008	19	0037	36	0164	53	0366	70	0800
3	0009	20	0038	37	0179	54	0367	71	0828
4	0010	21	0040	38	0180	55	0368	72	0831
5	0011	22	0049	39	0181	56	0399	73	0832
6	0013	23	0060	40	0200	57	0401	74	0850
7	0014	24	0062	41	0201	58	0402	75	0960
8	0015	25	0067	42	0202	59	0457	76	0964
9	0016	26	0069	43	0216	60	0459	77	0965
10	0017	27	0074	44	0217	61	0523	78	1128
11	0020	28	0076	45	0218	62	0524	79	1129
12	0023	29	0086	46	0250	63	0526	80	1130
13	0025	30	0088	47	0259	64	0598	81	1296
14	0030	31	0113	48	0260	65	0599	82	1800
15	0033	32	0129	49	0290	66	0600	83	2076
16	0034	33	0131	50	0312	67	0748		

Table 11: Voltage classes of the PD.

Index	Class
0	2T
1	4T
2	5T
3	6T

Table 12: Control modes of the cooling fans.

Index	Character	Description
0	–	The cooling fans are not controlled by the Penta drive.
1	S	The Penta drive acquires information about the correct operation of the cooling fans and it logs the temperature measures. If a fan fault is detected, the relevant alarm trips. On the other hand, temperature measures do not cause any alarm.
2	P	The fan start is controlled by the state of the thermoswitch inside the Penta drive.
3	N	An NTC temperature sensor controls the operation of the cooling fans; temperature is measured by the Penta drive and the threshold for the startup of the cooling fan is set in parameter C264 .

SW Application

SW Application	Function	
		This screen displays the type of software application which is implemented in the drive (e.g. Multipump, Regenerative, etc...). See Elettronica Santerno's Catalogue about Software Accessories. For the application software downloading instructions see the Applications Manual.

SW Versions

SW Versions	Range	0 ÷ 65535	0 ÷ 65.535
	Address	Texas: 233 MMI: 1489 Motorola: 1487	
	Function	This screen displays the SW versions implemented on the Penta drive: Texas → SW version of the DSP Texas MMI → SW version of the display/keypad Motorola → SW version of Motorola microprocessor	

Serial Number

Serial Number	Range	0 ÷ 9999999	0 ÷ 9999999
	Address	1827-1828 (LSWord, MSWord)	
	Function	This is the serial number of the drive. The serial number is required when contacting ELETTRONICA SANTERNO's CUSTOMER SERVICE in order to activate the Fire Mode. This measure is expressed in 32 bits divided into two 16-bit words: the low part and the high part.	

Fire Mode Enable Password

Fire Mode Enable Password	Range	0 ÷ 9999	0 ÷ 9999
	Default	0	0
	Level	BASIC	
	Address	868	
	Function	To enable the Fire Mode, please contact ELETTRONICA SANTERNO's CUSTOMER SERVICE and give the Serial Number of the drive where the Fire Mode is to be activated. Enter the password given by the Customer Service.	