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1 Product Rationalization of Function Line (FL)

Woodward is offering customer proofed, reliable and also diversity product lines of Genset controls. These Genset controls are the easYgen line, the GCP line, the EGCP line and the Function Line. In the course of continuous product improvement processes and market assessments Woodward regular reviews existing control lines and align them to the latest and future requirements in the market. In order to maintain a cost effective and demand responsive product line Woodward has decided to rationalize the FL line of Woodward SEG and transit the customers and their application to the latest Genset control line so called easYgen control platform. This program is a necessary process in order to lean Woodward product lines and reduce the high number of available Part Numbers on Woodward and customer side. This will result into more powerful, cost efficient and transparent product lines.

Therefore the FL controls has got non-preferred status, this means SW and Documentation has been frozen. The FL controls are hereby not longer part of the continuous SW and Documentation maintenance process. This is to focus our engineering & application resources on maintaining Woodward global standard packages and on the easYgen development program.

1.1 Main advantages of the easYgen line over the current control platforms?

1.1.1. General

- Improved price/feature ratio
  - High feature density combined with a beneficial pricing strategy
- Product development focused on customer value
  - Customer requirements from last years and their future demands has been incorporated
- High flexible and programmable software offered by advanced software
  - Flexible software through Logicsmanager
  - Dynamic adaptation to changing application requirements
- Extended communication to engine and upper control levels
  - More intercommunication to all industrial interfaces
  - More/all parameter and all kind of values are available through comm. ports
- One single easYgen part number (P/N) can replace several P/Ns of the FL controls and the GCP controls
  - Inventory Cost saving
  - Saving training and control study time
  - Less admin efforts
- Same Configuration of the control (using same PC Configuration tools and the HMI are offering similar look & feel)
  - Lower learning curve
  - Transparent product line
- Product development within a strong quality driven product life cycle process
  - The Woodward PLC process
  - Quality is a prim driver

- Extended Product Life Cycle over next 10years without substantial changes in the Hard or Software, this results in cost and time effective customer derivative request programs and help for Long Term Supply Agreements
- EasYgen-Platform is prepared for running on complex high-end multiple breaker application in conjunction with other power distribution controls, like DTSC controls or the LS5 (successor of the LS4, in development).
- support your customer to find a differentiation in his own market place

1.1.2. Technical

One single Part Number from a easYgen line can offer:

- 0,1 and 2-Breaker Logic (Configurable by SW to be used for different applications)
- 100V, 400V und 480V Applications (incl. UL listing)
- multiple bias outputs for all speed governors and AVRs (voltage regulators).
- Multiple Languages (up to 10 Languages, including also Chinese, Japanese Characters)
- Graphical Display (320 x 240 pixel)
- Connectivity to all industrial engines via J1939
  - For Visualization and control
  - For Monitoring and protection
- Efficient Diagnostic und Visualization via Display and Comm. Ports
  - Electrical values like all AC values are available on display and through protocols
  - Analog and digital Values and internal Conditions (flags)
  - Engine, Generator, Breaker sequencing including timers
  - J1939 Data via CAN
  - Internal flags are displayed in real time. The user can take a look what's happening "inside" the control.
  - CAN Open, Modbus are offered on CAN and RS232, RS485
- Connectivity to different senders (like VDO, 0..20mA, 0-500Ohm ..)
  Logicsmanager:
  - PLC "light" programming language inside
  - Changing defined sequencing blocks by using different states and flags.
  - Different Boolean operators and timer are available
  - High level of integration into existing installations possible
  - Programming or changing of different Sequencing possible
  - Monitoring Limits for Engine, Generator and Mains are adjustable and dynamic
- Control of aux. Equipment by using external/internal I/O programmed by Logicsmanager.
- UL/cUL
- GL, ABS marine type approval

1.2 Product Rationalization Plan

1.2.1. After production support plan

The support plan is valid for all controls listed in this Rationalization Plan.
PCM, PCL, PSY, MPU, PCK & PCN.

1.) Notification of end of product production life (~1 year before end of production date)

- Unlimited New Sales
- Unlimited Spare Modules
- Unlimited Repairs
- Replacement Exchange with available Service Stock

2.) **Year 0-2** post production, after product production life end

- Unlimited Spare Modules
- Unlimited Repairs
- Replacement Exchange with available Service Stock

3.) **Year 2-4** post production:

- Limited Spare Modules based on parts availability
- Unlimited Repairs
- Replacement Exchange with available Service Stock

4.) **Year 4-5** post production:

- Limited Repairs based on parts availability

5.) **Year 5-x** post production:
After year 5 of post production Woodward cannot guarantee any more repairs or parts availability.

1.2.2. NDC1

- **Last Time Buy Call active**
- **LTB stop on September 30, 2008 (no further sales orders are accepted after this date)**
- **Production stop: December 30, 2008 (no shipment after this date)**
- **Beginning of July Woodward reserves the right to raise the Listprice by 12% .**
- 1:1 replacement easYgen-1500

1.2.2.1 Part Numbers

NDC Control		Replaced by:	
Item	**Item Number Description**	**Item**	**Item Number Description**
8440-1774 8440-1823	NDC1-51B	8440-1810	easYgen-1500-51B
8440-1775 8440-1824	NDC1-55B	8440-1809	easYgen-1500-55B
			

Table 1

1.2.2.2 General Differences

The NDC controls are already derivatives out of the easYgen-1500 control platform. The easYgen-1500 controls listed in Table 1 offer a different plastic with higher mechanical, chemical and electrical performance.

1.2.2.2.1 Form & Fit

The frame dimension on the easYgen front side are bigger.
219MMX171MM instead of 192MMX144MM (see attached EG1500 Housing description).

1.2.2.2.1.1 NDC1 Controls

Housing	Flush	Type APRANORM DIN 43 700
Dimensions	Flush	192×144×62 mm
Front cutout	Flush	186 [+1.1]×138 [+1.0] mm
Connection		screw/plug terminals 2.5 mm²
Front		insulating surface
Protection system		with professional installation
	Front	IP42
		(sealed IP54; gasket kit = P/N 8923-1043)
	Back	IP21
Weight		approx. 800 g

1.2.2.2.1.2 easYgen-1500 (listed under Table 1)

Housing	Flush	Type easYpack
Dimensions	Flush	219×171×61 mm
Front cutout	Flush	186 [+1.1]×138 [+1.0] mm
Connection		screw/plug terminals 2.5 mm²
Front		insulating surface
Protection system		with professional installation
	Front	IP54 (with clamp fastening)
	Front	IP65 (with screw fastening)
	Back	IP20
Weight		approx. 800 g

1.2.2.2.1.3 Function

- The easYgen-1000 controls offer the same functionality like the NDC1 controls.
- The PC Configuration LeoPC is used instead of FL-Soft. Both programs are same. The config and asm-files needs to be used from the easYgen controls.
- Some textures in the NDC1 controls differs from the easYgen controls, but describe same functionality.

1.2.2.2.1.4 Documentation

You will find easYgen-1500 documentation material under the Woodward publication folder:

- http://www.woodward.com/power/easygen-1500.cfm

if you scroll to the bottom end of the webpage you will find all related documentation:

- Product Specifications
- Installation Manuals
- Configuration Manuals
- Operation Manuals
- Interface Manuals
- Brief Information Operation Sheets

1.2.2.2.1.5 Accessories to the easYgen-1500 control

- LeoPC Configuration Manual (PC configuration tool which is same like the FL Soft)
- Get EventLog Software (add on to LeoPC to read out the alarm and event logger)
- DPC Cable for configuring the easYgen-300 P/N 5417-557 (existing FL-CABLE-RS232 can also be used to connect to the easYgen service ports)
- easYlite remote annunciator connection
- IKD external terminal connection

1.2.3. NAC1

- **Last Time Buy Call active**
- **LTB stop on September 30, 2008 (no further sales orders are accepted after this date)**
- **Production stop: December 30, 2008 (no shipment after this date)**
- **Beginning of July Woodward reserves the right to raise the Listprice by 15% .**

NAC controls		Replaced by:	
Item	**Item Number Description**	**Item**	**Item Number Description**
8440-1781	NAC1-G-L	8440-1798	easYgen-320-50B
8440-1782	NAC1-G-H	8440-1800	easYgen-320-50B/X
8440-1783	NAC1-M-L	8440-1799	easYgen-350-50B
8440-1784	NAC1-M-H	8440-1801	easYgen-350-50B/X
			

Table 2

1.2.3.1 General Differences

The NAC controls are similar to the easYgen-300 control platform.

1.2.3.1.1 Form & Fit

The NAC and easYgen-300 controls using same platform and housing.

1.2.3.1.1.1 Function

- The easYgen-300 controls offer the same functionality like the NAC controls.
- The PC Configuration LeoPC is used instead of FL-Soft. Both programs are same. The config and asm-files needs to be used from the easYgen controls.

Some textures in the NDC1 controls differs from the easYgen controls, but describe same functionality.

1.2.3.1.1.2 Documentation

You will find easYgen-300 documentation material under the Woodward publication folder:
http://www.woodward.com/power/easygen-1500.cfm
if you scroll to the bottom end of the webpage you will find all related documentation.

- Product Specifications
- Product Manual

1.2.3.1.1.3 Accessories to the easYgen-300 platform

- LeoPC Configuration Manual (PC configuration tool which is same like the FL Soft)
- Get EventLog Software (add on to LeoPC to read out the alarm and event logger)
- DPC Cable for configuring the easYgen-300 P/N 5417-557 (existing FL-CABLE-RS232 can also be used to connect to the easYgen service ports)
- Paper stripes. Templates to print out own defined textures

1.2.4. PCM & PCL

- **Last Time Buy Call active**
- **LTB stop on September 30, 2008 (no further sales orders are accepted after this date)**
- **Production stop: December 30, 2008 (no shipment after this date)**
- **Beginning of July Woodward reserves the right to raise the Listprice by 10% .**
- Immediate rationalization of low runners possible (Controls who are listed under chapter 1.2.4.2)
- Immediate Transfer from the blue housing to the GCP black colored housing
- Replacement is the easYgen-3000 product line.

1.2.4.1 Part Numbers

PCM controls			
Item	**Item Number Description**	**Item**	**Item Number Description**
8440-1115	PCM1-M-45B/L	8440-1489	PCM1-G-45B/H-I-A
8440-1116	PCM1-M-11B/L	8440-1490	PCM1-G-11B/H-E
8440-1118	PCM1-G-45B/L	8440-1491	PCM1-G-15B/H-E
8440-1131	PCM1-M-11B/H-QFQU	8440-1492	PCM1-G-41B/H-E
8440-1184	PCM1-M-15B/L	8440-1493	PCM1-G-45B/H-E
8440-1229	PCM1-M-41B/L	8440-1494	PCM1-G-11B/H-E-A
8440-1474	PCM1-G-11B/L-I	8440-1495	PCM1-G-15B/H-E-A
8440-1475	PCM1-G-15B/L-I	8440-1496	PCM1-G-41B/H-E-A
8440-1476	PCM1-G-41B/L-I	8440-1497	PCM1-G-45B/H-E-A
8440-1477	PCM1-G-45B/L-I	8440-1498	PCM1-M-11B/L-A
8440-1478	PCM1-G-11B/L-I-A	8440-1499	PCM1-M-15B/L-A
8440-1479	PCM1-G-15B/L-I-A	8440-1500	PCM1-M-41B/L-A
8440-1480	PCM1-G-41B/L-I-A	8440-1501	PCM1-M-45B/L-A
8440-1481	PCM1-G-45B/L-I-A	8440-1502	PCM1-M-11B/H
8440-1482	PCM1-G-11B/H-I	8440-1503	PCM1-M-15B/H
8440-1483	PCM1-G-15B/H-I	8440-1504	PCM1-M-41B/H
8440-1484	PCM1-G-41B/H-I	8440-1505	PCM1-M-45B/H
8440-1485	PCM1-G-45B/H-I	8440-1506	PCM1-M-11B/H-A
8440-1486	PCM1-G-11B/H-I-A	8440-1507	PCM1-M-15B/H-A
8440-1487	PCM1-G-15B/H-I-A	8440-1508	PCM1-M-41B/H-A
8440-1488	PCM1-G-41B/H-I-A	8440-1509	PCM1-M-45B/H-A

Table 3

PCL controls	
Item Number	**Item Number Description**
8440-1154	CONTROL-PCL1-11B/H
8440-1156	CONTROL-PCL1-11B/L
8440-1157	CONTROL-PCL1-45B/L
8440-1186	CONTROL-PCL1-15B/L
8440-1187	CONTROL-PCL1-41B/L
8440-1242	CONTROL-PCL1-45B/H
8440-1243	CONTROL-PCL1-15B/H
8440-1244	CONTROL-PCL1-41B/H
8440-1466	CONTROL-PCL1-11B/L-A
8440-1467	CONTROL-PCL1-15B/L-A
8440-1468	CONTROL-PCL1-41B/L-A
8440-1469	CONTROL-PCL1-45B/L-A
8440-1473	CONTROL-PCL1-45B/H-A

Table 4

….. PCM (Table 3) and PCL (Table 4) will be replaced by easYgen-3000 (Table 5) ….

EasYgen-3000 controls		
Item	**Item Number Description**	**Comment**
8440-1817	EASYGEN-3100-5/P1	Basic EG3000
8440-1818	EASYGEN-3100-1/P1	Basic EG3000
8440-1816	EASYGEN-3200-1/P1	Basic EG3000
8440-1831	EASYGEN-3200-1/P1	Basic EG3000
8440-1842	EASYGEN-3200-1/P2	EG3000 w/ extended I/O functionality
8440-1843	EASYGEN-3200-5/P2	EG3000 w/ extended I/O functionality
8440-1844	EASYGEN-3100-1/P2	EG3000 w/ extended I/O functionality
8440-1845	EASYGEN-3100-5/P2	EG3000 w/ extended I/O functionality

Table 5

All other EG3000 controls (like easYgen-3500) who will follow according to the product development roadmap will automatically be capable to replace the PCM/PCL controls.

1.2.4.2 Low runners PCL and PCM

Low runners PCM			
8440-1154	*PCL1-I1-U1-H*	*8440-1474*	*PCM1-G-I1-U1-L-I*
8440-1167	*PCL1-I1-U1-H-A*	*8440-1475*	*PCM1-G-I5-U1-L-I*
8440-1247	*PCL1-I1-U1-H-A*	*8440-1493*	*PCM1-G-I5-U4-H-E*
8440-1156	*PCL1-I1-U1-L*	*8440-1497*	*PCM1-G-I5-U4-H-E-A*
8440-1245	*PCL1-I1-U1-L-A*	*8440-1485*	*PCM1-G-I5-U4-H-I*
8440-1158	*PCL1-I1-U1-L-A*	*8440-1502*	*PCM1-M-I1-U1-H*
8440-1162	*PCL1-I1-U1-L-A*	*8440-1131*	*PCM1-M-I1-U1-H-A*
8440-1248	*PCL1-I1-U4-H-A*	*8440-1116*	*PCM1-M-I1-U1-L*
8440-1249	*PCL1-I1-U4-H-A*	*8440-1508*	*PCM1-M-I1-U4-H-A*
8440-1187	*PCL1-I1-U4-L*	*8440-1229*	*PCM1-M-I1-U4-L*
8440-1160	*PCL1-I1-U4-L-A*	*8440-1505*	*PCM1-M-I5-U4-H*
8440-1246	*PCL1-I1-U4-L-A*	*8440-1509*	*PCM1-M-I5-U4-H-A*
8440-1159	*PCL1-I5-U1-L-A*	*8440-1115*	*PCM1-M-I5-U4-L*
8440-1166	*PCL1-I5-U4-H-A*	*8440-1662*	*PCM1-M-I5-U4-P01*
8440-1482	*PCM1-G-I1-U1-H-I*	*8440-1770*	*PCM1-M-I5-U4-P02*

Low runners PCL			
8440-1154	*PCL1-I1-U1-H*	*8440-1248*	*PCL1-I1-U4-H-A*
8440-1167	*PCL1-I1-U1-H-A*	*8440-1249*	*PCL1-I1-U4-H-A*
8440-1247	*PCL1-I1-U1-H-A*	*8440-1187*	*PCL1-I1-U4-L*
8440-1156	*PCL1-I1-U1-L*	*8440-1160*	*PCL1-I1-U4-L-A*
8440-1245	*PCL1-I1-U1-L-A*	*8440-1246*	*PCL1-I1-U4-L-A*
8440-1158	*PCL1-I1-U1-L-A*	*8440-1159*	*PCL1-I5-U1-L-A*
8440-1162	*PCL1-I1-U1-L-A*	*8440-1166*	*PCL1-I5-U4-H-A*

1.2.4.3 Pictures PCM, GCP and easYgen-3000

PCM	easYgen-3200
	
GCP-30 Control	**easYgen-3100**
	

1.2.4.4 General Differences

All PCM controls will be replaced by the easYgen-3000 lines. Since the easYgen-3000 line is different in operation and performance a direct comparison between PCM and easYgen-3000 Part Numbers is not effective. With the product launch of the easYgen-3200/P2 in May, most of the PCM can be replaced by the 3000 line also by I/O matching.

All easYgen-3200 controls listed below can replace the PCM controls by either using the listed Part Number or by adding the required aux products for I/O set matching. See Accessories to the easYgen-3000 control chapter 1.2.3.1.1.3

With the product launch of the next software step in September/October 08, the easYgen-3000 will incorporate all remaining feature which are not in the current 3000 controls. For most of these features a work around can be made.

The PCM1-G, PCM1-M and PCL1 and its subversions will be incorporated into standard easYgen-3000 P/N. The easYgen-3000 automatically includes all the PCM subversion by it standard SW and HW.

1.2.4.5 Form & Fit

The PCM comes with SEG labeling but offers also the GCP housing form factors.

1.2.4.5.1 PCM & PCL

Housing

- Type ..... APRANORM DIN 43 700
- Dimensions (W × H × D) ..... 144 × 144 × 118 mm
- Front cutout (W × H) ..... 138 [+1.0] × 138 [+1.0] mm
- Wiring ..... screw-plug-terminals 1.5 mm² or 2.5 mm²
- Recommended tightening torque ..... 0.5 Nm
  use 60/75 °C copper wire only
  use class 1 wire only or equivalent
- Weight ..... approx. 1,000 g

1.2.4.5.2 easYgen-3000

Housing

- Type
  plastic ..... easYpack
  sheet metal ..... custom
- Dimensions (W × H × D)
  plastic ..... 282 × 217 × 99 mm
  sheet metal ..... 249.6 × 227.4 × 84.1 mm
- Front cutout (plastic housing) (W × H) ..... 249 [+1.1] × 183 [+1.0] mm
- Wiring ..... screw-plug-terminals 2.5 mm²
- Recommended locked torque ..... 4 inch pounds / 0.5 Nm
  use 60/75 °C copper wire only
  use class 1 wire only or equivalent
- Weight
  plastic ..... approx. 1,850 g
  sheet metal ..... approx. 1,750 g

1.2.4.6 Function

The current features of the easYgen-3000 are already covering the PCM features. The I/O set will be covered by using external terminals which can be connected to the easYgen-3000 controls. With this feature a variety of I/O set arrangement can be configured according/tailored to the needs of end-users. The external terminals will be listed in the installation manuals, beginning with the product availability in May 08.

Each single P/N of the easYgen-3000 line

- is using Toolkit instead of FLSoft
- handles up to 32 units in parallel instead of 8 PCM
- handles up to 10 languages
- carries 100V *and* 480V PT inputs
- can be connected to different external analog and digital terminals
- offers IP67 protection on the HMI
- offers screw *and* bracket type mounting for front door mounting
- offers 2 x CAN, 1 x RS485 and 1 x RS232(isolated) in one P/N.
  - different J1939 protocol
  - Modbus, CAN Open
- offers graphical display (240 x 320 pixel)

1.2.4.6.1.1 Documentation

You will find easYgen-3000 documentation material under the Woodward publication folder:

- http://www.woodward.com/power/easygen-3000.cfm

if you scroll to the bottom end of the webpage you will find all related documentation:

- General easYgen-3000 flyer
- Product Specifications
- Installation Manuals
- Configuration Manuals
- Operation Manuals
- Interface Manuals
- Brief Information Operation Sheets

Add on to the easYgen-3100:

- Brief Operation Information for easYgen-3100

1.2.4.6.1.2 Accessories to the easYgen-3000 control

➢ PC configuration tool ***Toolkit***:
http://www.woodward.com/software/Download/SWProductDetail.cfm?FileID=165
  - The configuration files for each easYgen-3000 can be found at the ***bottom end*** of http://www.woodward.com/power/easygen-3000.cfm

Toolkit comes also with a professional license where customer can create customized screens by “drag and drop” technology . (Professional license is P/N 8928-5016)

➢ **IKD** external digital IN/OUT card:
http://www.woodward.com/power/IKD1.cfm

➢ Terminals from external terminals manufacturers
  - ***Phoenix*** (will be available through Woodward in May) => www.phoenixcontact.com
    - The ***Inline product range***
      - All terminals which starts with a “IB IL..”
      - Terminals based on CAN Open communication
  - ***Axiomatic*** (will be available through Woodward in May) => www.axiomatic.com
    - TC4 and TC20
      - T/C modules based on CAN J1939 communication

➢ **Remote Panel 3000**
The easYgen-line can be connected to a Remote Panel which has similar look and feel like the HMI on the easYgen-3200. The Remote Panel is no under development and to be ready in October 08.

➢ **easYlite-100**
The easYgen-3000 will be connected to a simple remote annunciator (remote panel), on customer demand. Help to meet also NFPA requirements. This program is not started yet.
Product Specification
Product Manual

1.2.5. MPU-1 & MPU2

- Those controls stay in production and are restricted to Woodward internal sales only.
- Immediate rationalization of low runners possible

1.2.6. PSY4 & PSY5

- **Last Time Buy Call active**
- **LTB stop on September 30, 2008 (no further sales orders are accepted after this date)**
- **Production stop: December 30, 2008 (no shipment after this date)**
- Replacement for PSY4 will be a SPM-D derivative
  - **Target Availability for the PSY4 derivatives is September 08**
- Replacement for PSY5 will be a SPM-D derivative
  - **Target Availability for the PSY5 derivatives is September 08**
- Immediate transfer from the blue housing to the black housing (back side), the SEG front foil and the blue frame will stay (front side).
- Immediate rationalization of low runners possible

PSY4 controls		**Replaced by:**	
Item	**Item Number Description**	**Item**	**Item Number Description**
8440-1306	PSY4-F-D	8440-tbd	SPM-D 4
8440-1418	PSY4-FU-D	8440-tbd	SPM-D 4
8440-1419	PSY5-FU-D	8440-tbd	SPM-D 5
8440-1420	PSY5-FU-A	8440-tbd	SPM-D 5
8440-1421	PSY5-FU-D-W	8440-tbd	SPM-D 5
8440-1422	PSY5-FU-A-W	8440-tbd	SPM-D 5
Current Woodward SEG controls		**Will be same form, fit and function. Only the color of the front foil will change to reflect the Woodward SEG merger .**	

The PSY4 and PSY5 will be integrated into the SPM-D product line. This means the PSY synchronizers will complete the synchronizer product line, especially in the low-end part by the PSY4. (The front foil design and SPM-D naming are still under development and just drafts).

1.2.6.1 Pictures PSY4/5

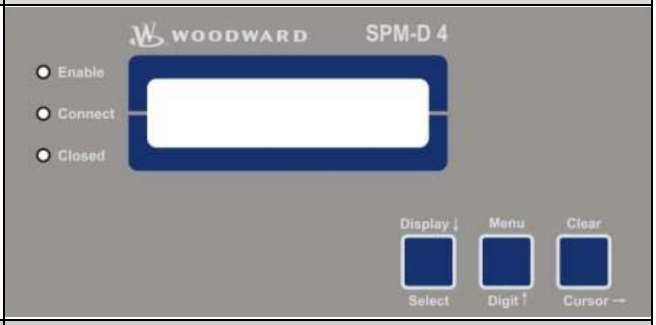
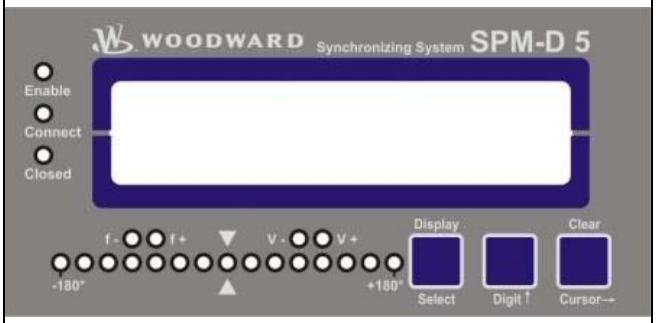
PSY4 controls	Sucessor SPM-D 4 *(foil design still tbd)*
	
PSY5 controls	**Sucessor SPM-D PSY5** *(foil design still tbd)*
	

Table 6

1.2.7. PCN4

- **Last Time Buy Call active**
- **LTB stop on September 30, 2008 (no further sales orders are accepted after this date)**
- **Production stop: December 30, 2008 (no shipment after this date)**
- **Beginning of July Woodward reserves the right to raise the Listprice by 15% .**
- 1:1 replacement LS4
- **For future PCN4 application we recommend to immediately use the GCP standard packages in conjunction with the LS4. The GCP31-X packages are regularly reviewed and part of software and hardware maintenance processes. The PCM and PCN4 are not.**

1.2.8. PCK4

- **Last Time Buy Call active**
- **LTB stop on September 30, 2008 (no further sales orders are accepted after this date)**
- **Production stop: December 30, 2008 (no shipment after this date)**
- **Beginning of July Woodward reserves the right to raise the Listprice by 15% .**
- 1:1 replacement GW4
- Immediate transfer from the blue housing to the black housing (back side), the SEG frontfoil and the blue frame will stay (front side).
- Woodward reserves the rights to replace the PCK4 prior to the target production stop once the GW4 can be used as a drop-in replacement.

1.2.9. EM1

- **Last Time Buy Call active**
- **LTB stop on September 30, 2008 (no further sales orders are accepted after this date)**
- **Production stop: December 30, 2008 (no shipment after this date)**
- **Beginning of July Woodward reserves the right to raise the Listprice by 15% .**
- Immediate transfer from the blue housing to the black housing (back side), the SEG frontfoil and the blue frame will stay (front side).
- 1:1 Replacement: IKD
- Immediate rationalization of low runners possible will be evaluated within this calendar year.

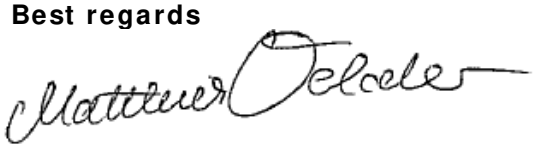
1.2.10. FL-Soft3 PC Configuration Tool

- Stays in production as long PCM controls are available
- 1:1 replacement is LeoPC, immediate use possible

1.2.11. NB/NC

- The production status didn't change. Still available
- The NB/NC control rationalization will be worked out separately

Best regards



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