



REQUIREMENTS SPECIFICATIONS

C28 ENERGY PROFILE FOR PLATFORM MODEL 2.X DEVICES



FUNCTIONAL REQUIREMENTS SPECIFICATIONS

ENPR-0162 PARAMETERS

Doc No: ZRH_CPD_SPC_FPD4_Energy_Profile_C28.doc

Version N°: 1 0

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1 Introduction

This specification defines the configuration of the heating temperature profile and duty-cycle profile as well as the temperature profile of the cleaning process.

2 Purpose

As part of the smoking system the energy profile configures parameters on the cigarette Holder device:

- The temperature profile
- The duty cycle (DC) limitation profile
- The cleaning parameters

The energy profile is dependent of the platform and software used.

3 Scope and applicability

This document applies to the following:

- Program: Platform 1
- Project(s): CPD realization

More specifically, this document defines the energy profile parameters specification for P1 models 2.x devices. It will be used to communicate with internal project stakeholder. The document will be updated periodically as the specifications evolve during the course of the development.

This energy profile is only applicable on following platforms:

- Device: P1 Model 2.x Holders
- Software: p1 holder firmware 1.x.x



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4 Temperature and duty cycle profile

(b) (4)





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5 Cleaning parameters

Parameter	(b) (4)
Cleaning temperature	
Cleaning duration	
Duty cycle limitation	

Table 2: Cleaning features parameters

6 Reference documents

- Not applicable

7 Related documents

- C28 profile global description: ZRH_FPD_PRE_System Optimization March 2012
- Experimental plan & report to establish all parameters:
ZRH_CPD_REP_FPD4_establish_C28_power_limit_profile
- C28 profile initialisation file (ENPR-0162): FPD4.x Configuration for CLCDH-r 3.x and CLCDH-MGR 1.0

8 Revision history

Version N°	Author	Description of change (including reason for change)	Type of change
1.0	Holzherr, Raphaël	Original issue	1
2.0	Holzherr, Raphael	(b) (4)	1

(1. Major change/new version; 2. Minor change; 3 Review without change)

For proof of date and status, refer to the EMDS attributes tab in the document properties.



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9 Review and approval

Select the reviewers and approvers based on document needs. Please refer to WKI_QM000074, Quality Management Document review & approval for more details.

This document has been approved by:

Name	Function	Justification
Farine, Robin	Senior Software Engineer	Signed as SME Reviewer
Holzherr, Raphaël	Manager Device Integration	Signed as Approver/Author

For proof of review and approval (Dates and electronic sign-off), refer to the EDMS history tab in the document properties.

Roles and responsibilities of signatories are defined in the documented work instruction

10 Abbreviations

Abbreviations	:	
CH	:	Cigarette Holder
CPD	:	Commercial Product Design
DC	:	Duty cycle
EDMS	:	Electronic Data Management System
FDP	:	Functional Product Design
MU	:	Main Unit
NGP	:	New Generation Products
PID	:	Proportional–Integral–Derivative (regulation controller type)
QA	:	Quality Assurance
SME	:	Subject Matter Expert

For complete definition, refer to PMI OPS Glossary and PMI RD Glossary