

Open Supervised Device Protocol Specification

Security Industry Association

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1 Introduction

This template keeps LaTeX styling in one place so that writers can focus on content. Edit this file with normal text. Use commands such as **bold** or italics if needed, but avoid layout tweaks.

- OSDP (Open Supervised Device Protocol) describes communication between control panels and peripheral devices. - This document demonstrates how to collect prose sections, CSV-driven tables, and reusable styling.

Each section lives in its own file under 'sections/'. Add more by copying this file and updating the heading.

2 Packet Format

The packet layout uses a structured table generated from a CSV file. Update the CSV in ‘tables/packet-format.csv’; no LaTeX changes are required.

Table 1: Table 1 – Packet Format

Size (bytes)	Name	Meaning	Value
1	SOM	Start of Message. ¹	0x53
1 Broadcast accepted by all PDs. ³ 0x7F (broadcast)	ADDR 0x00–0x7E	Physical address of the PD. ²	
1	LEN_LSB	Packet length least significant byte (includes header). ⁴	Any
1	LEN_MSB	Packet length most significant byte (includes header). ³	Any
1	CTRL	Message control information.	Refer to Table 2
1	SEC_BLK_LEN	Optional security control block length.	Any
1	SEC_BLK_TYPE	Optional security block type. ⁵	Refer to Table 3
1	SEC_BLK_DATA	Optional security block data.	Based on type
1	CMND/REPLY	Command or reply code. ⁶	Refer to Annex A
0–n	DATA	Optional data block.	Based on CMND/REPLY

The accompanying notes appear in Appendix 2.

Appendix: Notes

1. Constant value 0x53.
2. Lower seven bits hold the PD address.
3. 0x7F is the broadcast address.
4. Total characters from SOM through checksum.
5. See Annex D for supported methods.
6. Refer to Annex A for command values.