

STN	Poplachové a elektronické bezpečnostné systémy Časť 11-5: Elektronické systémy zabezpečenia prístupu Protokol OSDP (Open Supervised Device Protocol)	STN EN IEC 60839-11-5
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Alarm and electronic security systems - Part 11-5: Electronic access control systems - Open Supervised Device Protocol (OSDP)

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**Alarm and electronic security systems - Part 11-5: Electronic
access control systems - Open Supervised Device Protocol
(OSDP)
(IEC 60839-11-5:2020)**

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5: Systèmes de contrôle d'accès électronique - Protocole
ouvert d'appareil supervisé (OSDP)
(IEC 60839-11-5:2020)

Alarmanlagen - Teil 11-5: Elektronische
Zutrittskontrollanlagen - Open Supervised Device Protocol
(OSDP)
(IEC 60839-11-5:2020)

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Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 60839-11-5:2020 (E)**European foreword**

The text of document 79/634/FDIS, future edition 1 of IEC 60839-11-5, prepared by IEC/TC 79 "Alarm and electronic security systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60839-11-5:2020.

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- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2021-05-12
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(normative)**Normative references to international publications
with their corresponding European publications**

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60839-11-1	2013	Alarm and electronic security systems - Part 11-1: Electronic access control systems - System and components requirements	EN 60839-11-1	2013
-	-		+ AC	2015
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INTERNATIONAL STANDARD

**Alarm and electronic security systems –
Part 11-5: Electronic access control systems – Open supervised device protocol
(OSDP)**





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67 000 electrotechnical terminology entries in English and French extracted from the Terms and Definitions clause of IEC publications issued since 2002. Some entries have been collected from earlier publications of IEC TC 37, 77, 86 and CISPR.



INTERNATIONAL STANDARD

**Alarm and electronic security systems –
Part 11-5: Electronic access control systems – Open supervised device protocol
(OSDP)**

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ALARM AND ELECTRONIC SECURITY SYSTEMS –

Part 11-5: Electronic access control systems – Open supervised device protocol (OSDP)

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International Standard IEC 60839-11-5 has been prepared by IEC technical committee 79: Alarm and electronic security systems.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
79/634/FDIS	79/636/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 60839 series, published under the general title *Alarm and electronic security systems*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

This document describes the communication protocol for interfacing one or more Peripheral Devices (PD) to an Access Control Unit (ACU). This document specifies the protocol implementation over a two-wire RS-485 multi-drop serial communication channel.

This document is based upon the work done by the Security Industry Association OSDP Working Group.

ALARM AND ELECTRONIC SECURITY SYSTEMS –**Part 11-5: Electronic access control systems –
Open supervised device protocol (OSDP)****1 Scope**

This part of IEC 60839 specifies the Open supervised device protocol (OSDP) for electronic access control systems. This includes communication settings, commands and replies between the ACU and the peripheral devices. It also includes a mapping of mandatory and optional requirements as per IEC 60839-11-1:2013 as covered by Annex F.

This document applies to physical security only. Physical security prevents unauthorized personnel, attackers or accidental intruders from physically accessing a building, room, etc.

This document does not in any way limit a manufacturer to add other commands to the protocol defined here.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60839-11-1:2013, *Alarm and electronic security systems – Part 11-1: Electronic access control systems – System and components requirements*

IEC 60839-11-2:2014, *Alarm and electronic security systems – Part 11-2: Electronic access control systems – Application guidelines*

koniec náhľadu – text d'alej pokračuje v platnej verzii STN