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Larmsystem – Del 11-5: Passerkontrollsystem – Öppet övervakat enhetsprotokoll (OSDP)

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

Som svensk standard gäller europastandarden EN IEC 60839-11-5:2020. Den svenska standarden innehåller den officiella engelska språkversionen av EN IEC 60839-11-5:2020.

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English Version

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

Systèmes d'alarme et de sécurité électroniques - Partie 11-
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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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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

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.

The following dates are fixed:

- 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
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-08-12

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Endorsement notice

The text of the International Standard IEC 60839-11-5:2020 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<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
IEC 60839-11-2	2014	Alarm and electronic security systems - Part 11-2: Electronic access control systems - Application guidelines	EN 60839-11-2	2015
-	-		+ AC	2015

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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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*