PLANNING AND INSTALLATION OF INTRUSION AND HOLD-UP ALARM SYSTEMS

NOVEMBER 2021



Planning and installation of intrusion and hold-up alarm systems

11/12/2021

SSF (the Swedish Theft Prevention Association) is a non-profit association. The aim of the association is to promote safety and security for individuals and property through crime prevention measures, and to help shape opinions and disseminate information with regard to crime prevention. (Excerpt from SSF's bylaws § 1 and § 2. Laid down on May 13, 2011)

SSF, the Swedish Theft Prevention Association, issues regulations and standards for various types of security protective equipment. SSF has been publishing rules and standards on behalf of the Swedish Insurance Federation (formerly Försäkringsförbundet) since 2001.

SSF regulations and standards are developed in working groups made up of stakeholders from insurance companies, authorities, organizations, et al. Decisions on amendments, revision or withdrawal shall be taken by the working group.

SSF's regulations specify properties that are considered to be of importance for functionality and reliability. The aim of the regulations is to stipulate quality and safety levels that can be applied generally, both when specifying requirements and in conjunction with the procurement of intrusion-resistant products or structures.

In addition to the requirements specified in the standards and rules, compliance with laws and official regulations is assumed.

SSF, the Swedish Theft Prevention Association, develops and specifies standards for testing and classification within areas considered relevant to the aims of the association. A list of current SSF standards can be found on the SSF website at www.stoldskyddsforeningen.se.

Copyright © 2021 SSF Swedish Theft Prevention Association

11/12/2021

Planning and installation of intrusion and panic alarm systems

Contents

ORIE	NTATION	5
1	SCOPE	6
2	REFERENCES	7
3	DEFINITIONS	8
4	REQUIREMENTS	12
4.1	GENERAL	12
4.2	SUBCONTRACTORS	
5	PLANNING AND INSTALLATION	13
5.1	GENERAL	
5.2	ALARM CLASSES	
5.3	ALARM CLASS 1	
5.4	ALARM CLASS 2	
5.5	ALARM CLASS 3	14
5.6	ALARM CLASS 4	
5.7	Subsystems	
5.8	HOLD-UP AND EMERGENCY ALARM SYSTEMS	
5.9	INTEGRATED SYSTEMS	
5.10	SECTIONS	
5.11 5.12	ALARM RELAY AND TRANSMISSION	
5.12 5.13	SYSTEM COMPONENTS	
5.14	LOCATION OF CENTRAL EQUIPMENT, ALARM TRANSMITTERS AND POWER SUPPLY	
5.15	DETECTORS	
5.16	POWER SUPPLY EQUIPMENT, GENERAL	
5.17	POWER SUPPLY EQUIPMENT IN ALARM CLASSES 1 AND 2	
5.18	POWER SUPPLY EQUIPMENT IN ALARM CLASSES 3 AND 4	20
5.19	ALARM TRANSMISSION EQUIPMENT IN ALARM CLASSES 1 – 4	20
5.20	ALARM SOUNDERS	
5.21	OTHER SYSTEM COMPONENTS	
5.22	OPERATION	
5.23	ACCESS ROUTE AND BYPASS	
5.24	SETTING AND UNSETTING, GENERAL	
5.25	SETTING AND UNSETTING IN ALARM CLASS 1	
5.26	SETTING AND UNSETTING IN ALARM CLASS 2	
5.27	SETTING AND UNSETTING IN ALARM CLASSES 3 AND 4	
5.28 5.29	WIRING HARNESSESREMOTE CONNECTION – GENERAL REQUIREMENTS	_
5.29 5.30	THE USER'S REMOTE CONTROL	
5.31	COMMITMENTS OF THE ALARM OWNER, HOLD-UP ALARM SYSTEMS	
5.51 6	ADJUSTMENT AND TESTING	
U	ADJUSTWIENT AND TESTING	∠0
7	TRAINING	26

SSE	Swadish	Thoft	Dravention	Association	Rulas
ЭЭГ	Swedish	HHEIL	Prevention	ASSOCIATION	nuies

SSF 130

Edition 9

Planning	and	installation	of	intrusion	and	panic	alarm	systems
iai ii iii ig	ana	II IOtaliation	\circ	II I II GOIOI I	ana	paino	aiaiiii	O y O t O i i i c

11/12/2021

8	DOCUMENTATION	27
8.1	GENERAL	27
8.2	INSTALLATION CERTIFICATES FOR INTRUDER ALARM SYSTEMS	27
8.3	UNIQUE SYSTEM CODES	28
8.4	DRAWINGS AND REGISTRATION	28
8.5	INSTALLATION DRAWINGS AND AS-BUILT DRAWINGS	28
8.6	ORIENTATION DRAWINGS	28
8.7	CALCULATIONS	29
8.8	OPERATING INSTRUCTIONS (MANAGEMENT AND MAINTENANCE INSTRUCTIONS)	29
8.9	INSPECTION LOG	29
8.10	INFORMATION ON THE INTRUDER ALARM SYSTEM	30
8.11	INSPECTION INTERVALS	30
8.12	LABELING	
ANN	EX A: (NORMATIVE)	
	,	
OVE	RVIEW OF INSTALLATION REQUIREMENTS	34
APPI	ENDIX B: (INFORMATIVE)	35
EXAI	MPLES OF AGREEMENT TERMS AND CONDITIONS	35
ANN	EX C: (INFORMATIVE)	38
SAM	PLE AGREEMENT TERMS AND CONDITIONS	38
ANN	EX D: (INFORMATIVE)	39
SAM	PLE CONTENT FOR DRAFT AGREEMENTS	39
ANN	EX E – INSTALLATION EXAMPLE – NOT PLANNING DOCUMENTATION!	40
	EX F: (INFORMATIVE) EXAMPLE OF DOCUMENTATION OF THE HANDOVEINTRUDER ALARM SYSTEM	
ANN	EX G: (INFORMATIVE) TRIAL OPERATION PERIOD	49
	EX H: (INFORMATIVE) INSTALLATION CERTIFICATE – EXAMPLE OF PLETION	50
	EX J: (INFORMATIVE) BIBLIOGRAPHY	

Planning and installation of intrusion and panic alarm systems

11/12/2021

Orientation

This standard has been developed by representatives from SäkerhetsBranschen, Insurance Sweden, manufacturers, planners, certification bodies and SSF, the Swedish Theft Prevention Association.

The job of an intruder alarm system is to raise the alarm as early as possible in the event of a break-in on the protected premises or attempted theft of the property under surveillance.

Planning and installing an intrusion and hold-up alarm system requires not only expertise in the field of alarms, but also a knowledge of the procedures that can occur in the event of a burglary, as well as protection methodology.

These rules specify the requirements for intrusion and hold-up alarm systems that may be found in insurance terms and conditions or in other contexts.

The regulations consist of four parts:

SSF 130	Swedish Theft Prevention Association's rules for the design and
	installation of intrusion and hold-up alarm systems
SSF 1014	Swedish Theft Prevention Association's standard for system
	components for intruder alarm systems
SSF 1015	Swedish Theft Prevention Association's standard for installation firms
	for
	intruder alarm systems
SSF 1016	Swedish Theft Prevention Association's standard for authorized intruder
	alarm engineers

In addition to the requirements specified in the standards and rules, compliance with laws and official regulations is assumed.

Changes from previous edition, SSF 130 Edition 8 (09/14/2012):

- New references
- Editorial changes
- New definitions have been added
- Clarifications in alarm classes
- Section on hold-up and emergency alarms added
- New sample drawings
- Sample installation certificate added
- New polling times
- mm

This standard SSF 130 edition 9 is valid from 11/30/2021 and replaces SSF 130 edition 8, which will be withdrawn on 05/30/22.

SSF Swedish Theft Prevention Association Rules

SSF 130

Edition 9

Planning and installation of intrusion and hold-up alarm systems

11/12/2021

1 Scope

These rules apply to centrally connected intrusion and hold-up alarm systems for use in homes, shops, warehouses, industries, etc.

Hold-up alarm systems are divided into two categories, hold-up alarms and emergency alarms.

In general, a hold-up alarm will summon security guards and/or the police, and an emergency alarm summons assistance from your own staff or security guards.

The rules cover requirements for the planning, installation, commissioning, testing, system owner, system manager, test operation and documentation of systems.

The rules classify alarm systems into four alarm classes depending on the protection needed by the property to be monitored. Alarm class 1 is the lowest alarm class, and alarm class 4 is the highest.

The description of the obligations of the system owner and system control in the form of general advice are included as informative annexes.

The annexes may, for example, serve as a basis for insurance companies' terms and conditions or contracts of other definers of requirements.