

Installer Compliance Statement

ICT Protege Class 5 Intruder Alarm installed at Client's premises to AS/NZS 2201.1 Class 5

The Intruder Alarm System installed at (address):

Client (or Client's Authorized Agent) (name and address):

Installation Company (name and address):

Reason for Statement (tick one):

NEW SYSTEM	
MODIFICATION TO SYSTEM	
ADDITIONS TO SYSTEM	
ROUTINE SYSTEM AUDIT	

Installer/Auditor

Name/Signature:

Date:

- This document was published on August 09, 2022. Please check that you have the latest version before completing this document.
- This checklist is not a substitute for a detailed check against the standard itself and may need further additions as required.

Compliance Statement

This document forms part of a suite of compliance documents. ASIAL's 'Class 5 Capability Certification' relies on ongoing compliance with:

- AS/NZS 2201.1:2007 by the manufacturer, installer and client.
- The equipment installation manuals and installer guide.
- The equipment maintenance routine found in the controller installation manuals and installer guide.
- The installer compliance statement (this document).
- The client compliance statement.

Clause	Detail	Yes? (Initial)
N/A	Which version of the Protege AS_NZS 2201.1-2007 Class 5 Compliance Installer Guide are you using? Date: _____	
N/A	Check the ASIAL Class 5 Capability Certification. Is this equipment certified?	
1.3	A risk assessment has been conducted and documented in conjunction with the client. The classification has been selected with the client's agreement, following the guidance in the Installer Guide, Section 1.3.	
2.2.1	All equipment is installed in accordance with the manufacturer's instructions and the Protege Class 5 Installation Manuals and Installer Guide.	
	The system has been configured and programmed in accordance with the Protege Class 5 Installation Manuals and Installer Guide.	
2.2.2	The control equipment and power supply equipment are located within the alarmed area and not visible from outside the alarmed area.	
2.2.3	All system components are securely fixed in such a position to minimize the risk of interference or damage.	
2.2.5	Power supply equipment and indicators are housed integrally with the control equipment or in dedicated ICT DIN Rail Enclosures. Re: Clause 3.7.	
2.2.6	Every battery is legibly and durably marked with the month and year of installation.	
2.2.7	The alarm transmission equipment is housed in the same ICT DIN Rail Enclosure as the Protege controller. Re: Clause 3.7.	
2.3.1	All detection devices are installed in accordance with the manufacturer's requirements and AS 2201.3. The number and type of detection devices have been selected and located to mitigate a Class 5 risk profile and in accordance with Clause 2.3.1.	
2.3.2	Each detection device has been addressed as an individual input (zone), except where a single input has been provided for multiple devices that are installed on common adjacent detection points (e.g. double doors or multiple windows within the same frame).	
2.3.3	Where possible end-of-line supervision devices are terminated within detection devices. Where this is not possible, end-of-line supervision devices are terminated within a junction box fitted with tamper-detection devices meeting the requirements of Clause 3.16.3.5. The junction box is located immediately adjacent to the detection devices and interconnecting cables are not visible.	

Clause	Detail	Yes? (Initial)
2.4	Audible alarm warning devices are installed which meet the requirements of Clause 3.16.2.9. These devices are configured to sound as required in response to an audible alarm output being generated by the control equipment, and comply with relevant local legislation.	
2.5.1	All equipment and materials have been selected to suit the expected environmental conditions at the installed location.	
2.5.2	The installation is designed and constructed so that any equipment located in a position where it may be exposed to dampness, corrosion or other special conditions does not compromise the reliability of the system.	
	Where flammable or explosive gas or dust are reasonably expected to be present any equipment installed complies with the requirements of the appropriate Australian/New Zealand standard(s) for equipment in use in such hazardous conditions in accordance with Clause 2.5.2. and the Protege Class 5 Installation Manuals and Installer Guide.	
2.6.1	Cable installation, circuit wiring, identification and termination has been performed in accordance with the manufacturer's technical installation guidance, in addition to the application codes ACIF S009, AS/NZS 3000 and the requirements of the relevant regulatory authorities.	
	Wiring is arranged to minimize risk of attack or damage in accordance with Clause 2.6.1.	
2.6.2	Wiring complies with the minimum ratings specified in Clause 2.6.2 for Class 3 systems and above, is suitably rated for the intended load and is sized according to the requirements of Clause 2.6.2(b).	
2.6.2	Open wiring, wiring within ceilings and under floors and flexible wiring has been installed in accordance with the requirements of Clause 2.6.2 and the installer guide.	
2.6.3	Conductors are supported and arranged so that there is no undue mechanical stress on either the conductors or the terminals to which they are connected.	
2.6.4	The wiring will not be adversely affected by environmental conditions to which it may be exposed and is protected in accordance with Clause 2.6.4.	
2.7	Joints in wiring are concealed or contained within a junction box to reduce the possibility of tampering, and those between fixed wiring and flexible connections are mechanically supported to prevent acute bending or breakage of the conductors. All joints are mechanically and electrically sound, and are soldered or clamped in accordance with Clause 2.7.	
2.8	Movable parts of the alarm system are connected by flexible, fracture-resistant conductors that meet the circumstances in which they are used, as specified in Clause 2.8.	
2.9	All terminations are made according to the requirements specified in Clause 2.9 and the installer guide for terminals, crimped terminations, plugs and sockets, soldered joints and self-locking terminals or connectors.	
2.10	No wire-free links have been incorporated into the control equipment.	
2.11	Following installation, the intruder alarm system has been commissioned by performing a full maintenance check in accordance with AS/NZS 2201.1, Section 5.	
2.11	Commissioning tests have been performed to verify that appropriate events are communicated, interpreted and processed correctly in the monitoring center.	

Clause	Detail	Yes? (Initial)
2.12	Tuition in accordance with Clause 4.1 has been provided to the client following installation and commissioning.	
3.2	Where the intruder alarm system is used for other functions, it has been shown to also comply with the relevant Standards specifying the requirements for each of those functions (e.g. access control, fire reporting and similar).	
3.7	Control equipment enclosures, noisemaker enclosures and any other equipment enclosures housing critical or vulnerable components (such as non-integrated power supplies) have an attack resistance at least equivalent to that of low carbon (mild) steel container 1 mm thick, or 3 mm polycarbonate.	
3.8	The terminating portion of the terminals used in any component of the intruder alarm system are constructed of corrosion resistant, low-resistance materials (e.g., nickel) and are suitably sized for the application in accordance with the requirements of Clause 3.8.	
3.9	Control equipment is legibly and indelibly marked with the following information: <ol style="list-style-type: none"> 1. The name of manufacturer or supplier. 2. The model number of the equipment. 3. Date of manufacture or serial number. 	
3.10	The manufacturer's installation and operating instructions which describe the installation, programming or set-up procedures and basic operating procedure of the equipment are available.	
3.11	All ICT Protege Class 5 control equipment is powered by any combination of Protege DIN Rail Power Supplies. This incorporates one or more suitably sized VRLA security rated batteries, 12V 7AH or better. These batteries comply with the requirements of Clause 3.14 and are installed in accordance with the manufacturer's instructions.	
	Any third-party power supplies installed to power ancillary equipment meets the requirements specified in Clause 3.11.	
3.11.4	All Protege Power Supplies installed have built in low battery reporting (3.11.3) as well as automatic battery testing and fault reporting (3.11.4). Automatic battery health testing is performed every 10 minutes, providing indication and fault reporting.	
3.11.7	The mains supply has been connected to the Protege Power Supply powered enclosure isolation switch by a suitably qualified electrician in accordance with the manufacturer's installation instructions and Clause 3.11.7. A tool and/or key is required to remove any mains connection or isolate the main supply.	
3.13	The following information is clearly and indelibly marked on all power supply equipment: <ol style="list-style-type: none"> 1. The name of the manufacturer or supplier. 2. Model number of equipment. 3. Both input and output supply voltages, frequency and power or current. 4. Approval number(s). 5. Type and capacity of replacement battery. 	

Clause	Detail	Yes? (Initial)
3.14	Batteries comply with the applicable Australian and/or New Zealand Standards and the requirements of Clause 3.14 and are of the type specified by the equipment manufacturer. The battery capacity used has been calculated based on the size of the system.	
3.16.2.2 (EOL scheme) 3.16.5.2 3.16.6.2	All wired detection circuits are monitored using the active end-of-line module PRT-ZX1, Protege Single Input Expander. Where necessary, these may be connected to up to three Protege Module Network Repeaters as described in the manufacturer's installation instructions and guide.	
3.16.2.6 3.16.4.3 3.16.6.3	The client has been provided with an explanation of the arming and disarming method options, including the minimum requirements and options available for Class 5 installations, and you have made a record of the agreed methods. The onsite arming methods available comply with those outlined in the Installer Guide, Section 3.16.6.3.	
3.16.2.9.1 (a)	The sound pressure level of audible alarm warning devices is not less than 90 dB(A) and not greater than 130 dB(A) measured at 1 m.	
3.16.2.9.1 (b)	The audible alarms have been programmed to sound for a period that is not longer than a total of 5 min duration, or as otherwise specified by legislation, in response to an alarm condition on a single input. Subsequent sounding of audible alarms for a further period of up to 5 min only occurs where: <ol style="list-style-type: none"> 1. The intruder alarm system has been manually reset on-site; or 2. A subsequent alarm is generated in a different area of a multi-area system. 	
3.16.2.9.2	A flashing blue light, where used, is incorporated as a visible alarm and complies with the requirements of Clause 3.16.2.9.2.	
3.16.2.9.3	Optional satellite sirens, where used, comply with the general requirements of Clauses 3.1 to 3.7, and Clause 3.16.2.9.3.	
3.16.3.5 3.16.4.4 3.16.5.5	Tamper detection devices are fitted in accordance with the manufacturer's installation instructions to all control equipment enclosures, audible warning device enclosures, enclosures specified in Clause 2.3.3 and remote arming stations that utilize relay contact outputs or similar in accordance with Clauses 3.16.3.5, 3.16.4.4 & 3.16.5.5.	
3.16.5.5	All ICT enclosures incorporate additional early warning tamper detection, designed to detect any attempt to penetrate the equipment housing or remove it from the wall prior to the activation of the tamper switches. Protection is provided by a DSC SS-102 Shockgard seismic vibration sensor mounted within the system enclosure according to the instructions in the installer guide.	
3.16.5.7	All equipment enclosures are secured with a camlock that has a restricted (patent protected) key system. The key has not been replicated without written authorization.	
3.16.6.5	Alarm transmission equipment complies with AS/NZS 2201.5:2008 for Class 5 transmission systems, as instructed in the Installer Guide, Section 3.16.6.5 and Appendix 3.	

Clause	Detail	Yes? (Initial)
4.1	<p>The client has been provided with the following:</p> <ol style="list-style-type: none"> a. A logbook in accordance with Clause 6.4, which is kept inside the control equipment enclosure or in a secure location at the client's premises accessible to authorized maintenance staff. b. Full operating instructions for the intruder alarm system, including any agreed arming and disarming methods. c. Demonstration of the operating procedures in Item (b) above and adequate training. d. The relevant operating and maintenance manuals covering the entire intruder alarm system as installed. e. An 'as built' system list detailing all detection devices, their physical location and the input or area to which they are located. f. Written advice has been given for if the intruder alarm system has been configured to allow authorized remote access for maintenance and operational purposes. g. Details of all warranties applicable. h. Written advice that a maintenance schedule in accordance with Section 5 of the installer guide shall be implemented to maintain compliance with this Standard. i. Written advice of the client's responsibilities in accordance with Clause 4.2. 	
4.2	<p>The client has been informed of and has acknowledged the following responsibilities:</p> <ol style="list-style-type: none"> a. Ensuring that all users of the intruder alarm system have adequate knowledge and training in the operation of the system (corresponding to their level of use). b. Ensuring that the intruder alarm system is operated in a satisfactory manner, in keeping with the procedures agreed with the installer. c. Ensuring that all detection devices (e.g. door contacts, motion detectors) are tested at least once per month where practical. d. If the intruder alarm system becomes faulty or unable to perform its function, requesting that the security alarm company return the system to compliance with this Standard. e. If the intruder alarm system is affected by any building alterations or system changes that may alter its operation or performance, requesting that the security alarm company return the system to compliance with this Standard. 	
5.1	<p>The equipment manufacturer's instructions form the basis for the maintenance of the intruder alarm system components (e.g. the maintenance routine included in the installer guide and Protege controller manuals).</p>	
5.2.1.1	<p>Maintenance arrangements have been put in place to demonstrate to interested parties that the intruder alarm system remains operational in accordance with this Standard.</p> <ul style="list-style-type: none"> • This demonstration may be achieved through automated data provided by the intruder alarm system, or through regular visits by qualified personnel. • Maintenance should take place at intervals agreed to by the interested parties, but no greater than every 12 months. • Each routine maintenance visit shall be recorded in a report signed by both the client and the visiting technician, confirming that maintenance has been carried out and that the current compliance status is intact. • A copy of this report shall be retained by both parties. 	

Clause	Detail	Yes? (Initial)
5.2.1.2	<p>The maintenance procedures established for this installation include the following:</p> <ol style="list-style-type: none"> 1. Checking the monitoring center’s received-data printouts after all tests. 2. Checking the installation, location and siting of all equipment and devices against the input list and recording any discrepancies found. 3. Inspecting and testing the operation of all detection devices including the following: <ul style="list-style-type: none"> - Verifying alarm activation and reporting. Verifying tamper activation and reporting. - Verifying that each volumetric detection device operational range is appropriate. - Verifying no compromise of devices has occurred. - Checking the voltage at each power supply. 4. Checking the voltage at each power supply: <ul style="list-style-type: none"> - Under normal non-alarm conditions, with the connection of external power source, and ensuring that the power supply voltage measured at the output terminals remains within the rated value of the equipment +2%; and - Under alarm conditions, without the connection of external power source, ensuring that the power supply voltage measured at the output terminals remains within the rated value of the equipment –15%. 5. If a battery failure is indicated, replacing the battery and, in a durable and legible manner, marking the month and year of the battery replacement on the battery container. 6. Inspecting all visible wiring and conduits. 7. Checking the control equipment and indicating equipment to verify that they are fully functional. Where applicable, ensuring events are correctly received at the monitoring center. 8. Testing the operation of each installed audible and visible alarm and warning device. <p>It is recommended that the installation procedures outlined in the installer guide and Protege controller installation manuals are followed.</p>	
5.2.2	<p>The current 24-hour contact details of the security alarm company for emergency service have been supplied to the client. The client will be kept informed of any updates to these contact details.</p> <p>The emergency services of the security alarm company are arranged so that, if the client notifies the security alarm company of a fault, a representative shall attend the premises within one working day, unless otherwise agreed. If this time is likely to be exceeded by extraordinary circumstances or geographical location, the security alarm company shall notify the client of the delay.</p> <p>All service performed has been recorded in the client’s maintenance logbook.</p>	

Clause	Detail	Yes? (Initial)
6.1	<p>The initial records of equipment and as built system configuration have been provided to the client upon completion of commissioning to form a complete record of the system's installed condition.</p> <p>The equipment record includes all of the following:</p> <ol style="list-style-type: none"> 1. The address and an outline plan of the alarmed premises showing any unusual features. 2. The position and type of each detection device. 3. Installation description and wiring diagram. 4. The position of any communication path and 240 VAC power outlets associated with the intruder alarm system. 5. The classification of the premises or of each detection area (if applicable). This shall be in the form of a certificate confirming compliance with this Standard, and noting any exceptions/non-compliance (if applicable). <p>The information included in this record shall be available to the security alarm company's representative before every maintenance visit.</p> <p>The symbols included in wiring diagrams and equipment descriptions and locations comply with the relevant requirements of AS 1102 and AS/NZS 4383 (all parts).</p>	
6.2	<p>The security alarm company has established and maintains a historical record for this installation. A copy, signed by the client, has been provided to the client, and the record shall be made available to the client and the relevant regulatory authorities on the client's request.</p> <p>Records of any events shall be retained by the security alarm company for a minimum period of 2 years.</p> <p>The historical record includes the following:</p> <ol style="list-style-type: none"> 1. The date and time of every visit, the faults found, the action taken to correct the faults and, if possible, their cause. 2. Details of any work left outstanding after a maintenance visit. 3. Any instance where it is necessary to temporarily disconnect, bridge or remove a detection device together with the reason. This must include the name and (if practical) the signature of the person authorizing this action. 4. Details of any detection device that is not operating correctly and cannot be immediately rectified. 5. Any amendments to the installation or wiring diagrams. 6. Any complaint received by the security alarm company or information from any source suggesting a need for investigation together with the date and time of receipt of the complaint or information, the action taken and the date and time of completion of the action. 	
6.3	<p>No detection device has been disconnected, isolated or removed without the written authorization of the client.</p>	

Clause	Detail	Yes? (Initial)
6.4	<p>The security alarm company has provided and maintains a logbook for the purpose of recording all visits, maintenance and works by attending technicians.</p> <p>The logbook itemizes the following:</p> <ol style="list-style-type: none"> 1. The classification of the system at the time of installation and at the time of any subsequent change of classification. 2. The date and time of any visits, maintenance or works. 3. The name and signature of the technician responsible for each visit and the company represented. 4. The nature of the visit, for example routine maintenance, fault remedy or similar. 5. Details of faults found or reported by the client. 6. Recommendations for alterations and improvements. 7. Details of each fault remedied and/or unresolved faults and interim actions taken (e.g. bypassing an input). 8. Details of each alteration and/or improvement carried out. 9. Details of any battery replacement. 	