

<Thales eSecurity>

payShield® 10K

Regulatory User Warnings & Cautions



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Additional Information

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Where translations have been made in this document English is the canonical language.

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1 Installation and user operational warnings and cautions

This document provides regulatory user information for the payShield® 10K product.

Warnings are concerned with serious danger to personnel and cautions are concerned with risks of personal injury or material damage.

1.1 Warnings



Warning: The equipment is of Class 1 construction and must be connected to an earthed supply.



Warning: Only connect to a mains power outlet with a voltage that corresponds with that displayed on the rating plate.



Warning: To isolate power, remove all mains cables from the equipment. Ensure that either the IEC sockets or mains plugs are easily accessible to allow for disconnection.



Warning: Always use the mains cables supplied with the equipment. If any additional mains installation wiring is required ensure that it meets all relevant local regulations. Consideration shall be given to the rating information of the unit and the effects that overloading of circuits might have on the cabling and over-current protection devices.



Warning: Any earth studs provided on the equipment are functional earth points for EMC purposes only. Do not connect protective earth bond conductors to these terminals.



Warning: Do not connect RJ45 sockets to network equipment outside the building or to telecommunications equipment.



Warning: Only spare parts that are documented by Thales and externally accessible are user replaceable. The equipment contains no internal user serviceable parts. Do not attempt to open the case of the product under any circumstances. Dismantling the equipment voids your warranty cover and any existing maintenance and support agreements.



Warning: Mains power plugs on UK cordsets contain a 5A fuse (BS1362). Only replace with the same type and rating of fuse. If a replacement fuse fails immediately, contact Support.



Warning: The equipment is fitted with a Product Health Monitor LED in the handle bar located in the front panel. When an error has occurred, the handle bar LEDs turn red. Some of these errors can be critical and they may require immediate action. For example, a PSU or fan failure, low battery, or tampering. Refer to the user manual to find the cause of the error.

1.2 Equipment Cautions

- Caution:** This equipment must be installed by a suitably trained and qualified person. Incorrect connection will invalidate warranty and may cause a hazard.
- Caution:** When installing in a rack make sure that the unit is secured using all the appropriate mechanical fixings so that it will not cause a hazardous condition.
- Caution:** The equipment is designed for storage and operation within the temperature and humidity recommendations set out in this document. Never operate the module in dusty, damp, or excessively hot conditions. Never install, store, or operate the module in locations where it might be subject to dripping or splashing liquids.
- Caution:** To help ensure adequate cooling, check that any vents on the modules are not blocked or obstructed and avoid installing in an overly congested location.
- Caution:** Ensure all cables are routed to avoid sharp bends, hot surfaces, pinches, and abrasion.
- Caution:** To maintain continued regulatory compliance make sure the product and any additional mains wiring meets the relevant local Portable Appliance Testing (PAT) requirements. Repeated application of certain Portable Appliance Tests (Insulation dielectric withstand tests) can damage safety insulation over time.
- Caution:** This equipment contains lithium batteries and other electronic components which must be disposed of in accordance with the manufacturer's instructions and local regulations.
- Caution:** This equipment contains no user replaceable batteries. The batteries may only be replaced with the same or equivalent type by the manufacturer. There is a danger of explosion if batteries are incorrectly replaced.
- Caution:** The provision of this warning label on any part of the equipment indicates the risk of electrostatic damage to the module. To prevent equipment damage suitable grounding techniques must be followed.

1.3 Electrical power requirements (per unit)

Voltage	100 – 240 V AC Universal Input
Current	6A max per PSU
Frequency	47 – 63 Hz
Consumption	60W max

1.4 Temperature & Humidity Recommendations

Operating temperature	0 – 40°C
Storage temperature	-5°C to 45°C

Transportation temperature	-25°C to 70°C
Operating humidity	5 – 85% (Relative non-condensing at 30°C)
Storage humidity	5 – 93% (Relative non-condensing at 30°C)
Transportation humidity	5 – 93% (Relative non-condensing at 40°C)
Altitude	-100m to 2000m AMSL (Above Mean Sea Level)

1.5 Battery cautions

Danger of Explosion if the battery is incorrectly replaced. The batteries may only be replaced with the same or equivalent type by the manufacturer. Used batteries are required to be disposed of according to the manufacturer's instructions.

1.6 Hazardous substance caution

This product contains a lithium battery and other electronic components and materials which may contain hazardous substances. However, this product is not hazardous providing it is used in the manner in which it is intended to be used.

1.7 Powering the unit on and off

There is a on/off power button on the back of the system. To power-up the system, connect the power supplies and push the power button.

If the system needs to be disconnected from the power outlet, it is recommended to remove the mains lead from the power source and not from the back of the unit.

1.8 EMC requirements

A chassis earthing point is fitted to provide a good electrical connection, via a substantial braid, to a low impedance building earth, which is required for compliance with EMC regulations.

1.9 EMC declarations

1.9.1 EMC Class A Statement

FCC and Industrie Canada Statement:

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This Class A digital apparatus complies with Canadian ICES-003.

The payShield 10K complies with Conducted Emissions Class A limits.

1.9.2 EMC Class B Statement

FCC and Industrie Canada Statement:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by Thales eSecurity could void the user's authority to operate the equipment.

This Class B digital apparatus complies with Canadian ICES-003.

The payShield 10K complies with Radiated Emissions Class B limits.

1.10 Type declarations

On the payShield 10K payment HSM, all interfaces are SELV (Safety Extra Low Voltages) except for the mains IEC connector and must only connect to other SELV interfaces. No direct connection on the SELV interfaces must be made to an analogue telephone or a digital subscriber line type interface unless via a modem or a router to provide appropriate electrical isolation.

1.11 Recycling and disposal information

All electronic products should be recycled or disposed of properly in accordance with applicable local legislation. For EU/EEA regions a Takeback and Recycle program is provided in compliance with the Waste Electrical and Electronic Equipment (WEEE) directive for the recycling of electronic equipment. The program enables you to return an obsolete or surplus Thales eSecurity product, which is then disposed of in an environmentally safe manner. To arrange the safe disposal of your product, or for further information on the materials contained within your product (including any REACH SVHC's) visit: www.thalesecurity.com/support.



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