



TYPE APPROVAL CERTIFICATE

Certificate No:
TAA00001YR
Revision No:
2

This is to certify:

That the Fire Alarm Central Unit

with type designation(s)
T1200 Range of Panels and Repeaters

Issued to

Tyco Fire & Security GmbH
Neuhausen am Rheinflall-Schaffhausen, SH, Switzerland

is found to comply with

DNV rules for classification – Ships, offshore units, and high speed and light craft

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Location classes:

Temperature	B
Humidity	B
Vibration	A
EMC	B
Enclosure	Required protection according to the Rules to be provided upon installation on board

Issued at **Høvik** on **2026-05-04**

This Certificate is valid until **2031-04-15**.

DNV local station: **UK & Ireland CMC & VMC**

for **DNV**

Approval Engineer: **Frode Nygård**

Frederik Tore Elter
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

Product description

The type approval comprises the following products.

All units with AC power supply are compatible with line frequency from 47.5 to 63 Hz.

Product	Description	Power supply	Hw/Sw Ver.
T1204A1	4 Zone AC Controller	93.5 to 121Vac	16/22
T1204DC	4 Zone DC Controller	18.0 to 31.2Vdc	14/22
T1204A2	4 Zone AC Controller	195.5 to 253Vac	16/22
T1200B	Battery box for T1204 panel		5
T1216	16 Zone Controller	99.0 to 253Vac	13/22
T1216-C	16 Zone Controller	110/230Vac	
T1216W	16 Zone Water Mist Operation Panel	93.5 to 253Vac	15/22
T1216W-C	16 Zone Water Mist Operation Panel	110/230Vac	
T1216RDC	16 Zone DC Repeater	19.6 to 28.4Vdc	11/18
T1216RA1	16 Zone AC Repeater	93.5 to 121Vac	12/18
T1216RA2	16 Zone AC Repeater	195.5 to 253Vac	12/18
T1216R-C	16 Zone Marine Repeater	Supply from CIE's aux. supply	
T1232	32 Zone Controller	93.5 to 253Vac	15/22
T1232-C	32 Zone Controller	110/230Vac	
T1232RDC	32 Zone DC Repeater	19.6 to 28.4Vdc	11/18
T1232RA1	32 Zone AC Repeater	93.5 to 121Vac	12/18
T1232RA2	32 Zone AC Repeater	195.5 to 253Vac	12/18
T1232R-C	16 Zone Marine Repeater	Supply from CIE's aux. supply	
T1200B-C	17Ah Battery Box		
T1200EA	Expansion Box C/W PSU	93.5 to 253Vac	8
T1200E-C	Expansion Box without PSU		
T1200EDC	Expansion Box w/o power supply		7
AC1SW Marine	AC Supply Changeover Unit	110 to 120Vac	
AC2SW Marine	AC Supply Changeover Unit	220 to 240Vac	

Place of manufacture

Tyco Fire & Security Czech Republic s.r.o.

Osvobození 363, Ráječko, CZ-679 02 Rájec - Jestřebí,
Czech Republic

Approval conditions

The following documentation of the actual application is to be submitted for approval in each case:

- Reference to this Type Approval Certificate
- System block diagram
- Power supply arrangement (may be part of the system block diagram)

The Type Approval covers hardware and software listed under Product description.

When the type approved software is revised (affecting all future deliveries) DNV is to be informed by forwarding updated software version documentation. If the changes are judged to affect functionality for which rule requirements apply a new functional type test may be required and the certificate may have to be renewed to identify the new software version.

Software control

All changes in software are to be recorded as long as the system is in use on board. Documentation of major changes is to be forwarded to DNV for evaluation and approval before implemented on board. Certification of modified functionality may be required for the particular vessel.



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Type Approval documentation

Tests carried out

Applicable tests according to class guideline DNV-CG-0339, August 2021.

Applicable tests according to EN 54-2:1997 + A1:2006 and EN 54-4:1997 + A2:2006

Marking of product

The products to be marked with:

- manufacturer name
- model name
- serial number
- power supply ratings

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the assessment are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE