



TYPE APPROVAL CERTIFICATE

Certificate No. : HMB32779-AE004 **Initial Approval** : 4th April, 2005.
Product : Temperature Switch
Manufacturer : Trafag, spol. s.r.o.
 Vilemovska, 2129 347 01, Tachov, Czech Republic

Product Description : Type : Picotherm M, Series 474 (ISP/ISPT)
 " See Appendix 1 "

Approval Condition : 1. The product or packing is to be marked with the manufacturer's name and type designation on a suitable position.
 2. Individual Product Certification is not required.

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows and entered in the "List of Approved Manufacturers and Type Approved Equipment".

Pt. 6, Ch. 2, Art. 107 of the Rules for Classification, Steel Ships.

This Certificate is valid until 3rd April, 2020.
 Issued at Busan, Korea on 10th February, 2015.



KOREAN REGISTER OF SHIPPING

*General Manager of
 Class Equipment Team*

Note : 1 : The approval will be automatically suspended and the Certificate become invalid from the expiry date of the Certificate in the event that the extension has not been granted or the renewal of the Certificate is not underway.
 2 : The manufacturer should notify this Society of any modification or changes that may affect the validity of this Certificate.

Appendix 1

Product Description and/or Approval Condition

Certificate No : HMB32779-AE004

Date of Issue : 10th February, 2015.

Product Description :

1. Model : ISPT : Compact thermostat(K type)
ISP : Thermostat with remote sensor and capillary(B type)
2. Type code : 474.03.aa.bbb.cc.dddd.eeee.ff
aa = Measuring ranges : 20, 23, 31
bbb = Sensor diameter : 322, 342
cc = Fixing : 00, 14
dddd = Protection tube length : 1416, 1419, 8316, 8319
eeee = Protection tube length : 0065, 0150
ff = Accessories : 58, 77, 90, V3
3. Technical Data
 - a. Measuring ranges(°C) : 5 ~ 95, 20 ~ 110, 20 ~ 150
 - b. Accuracy : $\pm 4\%$ FS
 - c. Repeatability : $\pm 1\%$ FS
 - d. Contact rating : 250V AC, 3(1)A silver contacts
220V DC, 0.3(0.2)A silver contacts
 - e. Sensor length(mm) : Max. 150, K type(sensor + protection tube)
Max. 3000, B type(sensor + capillary tube)
4. Approved Documents
 - a. Data Sheet no. : H72113k
 - b. Drawing no. : R93261c, R93262c
5. Test report no. : Picotherm2.xls & Vibration test reports of
2002-01-24 & 2004-01-07.