

LIFT ROOM TEMPERATURE RELAY

PRODUCT
GROUP
D

TYPE: YRTCA

FEATURES

- Din rail mounted
- Dual LED indication
- Supplied complete with panel mounted sensor
- Ideal lift industry product
- Meets regulation EN81-1 traction lifts
- Meets regulation EN81-2 hydraulic lifts

DESCRIPTION & MODE OF OPERATION

A din rail mounted temperature sensing relay supplied complete with a panel mounted temperature sensor. The unit is designed to facilitate compliance with The Lift Directive regulations EN81-1 Traction Lifts and EN81-2 Hydraulic Lifts. These regulations require that the lift room temperature is monitored between +5°C to +40°C and an alarm be triggered if the temperature rises or falls outside these limits.

A permanent auxiliary supply is required on to terminals A1 and A2. The 22.5mm panel mounted sensor needs to be connected to terminals P1 and P2. When the room temperature is between the two fixed set points, the output contact will be made between terminals 11 and 14 after a fixed time delay of 10 seconds. On deviation from these fixed set points, the output contact will open. Also the contact will open on loss of the auxiliary supply, thus making the unit fail safe. A green LED indicates that the auxiliary supply is present, a red LED indicates that the output contact is closed and thus the temperature is within specification.

SPECIFICATIONS

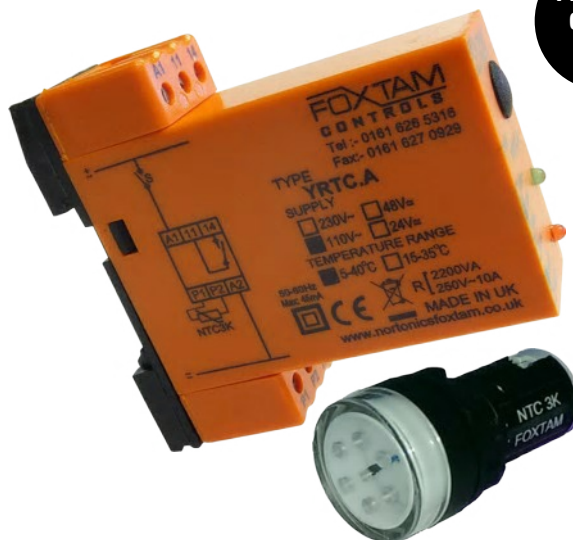
Supply & Measuring

Supply voltage tolerance:	+/- 15%
Temperature range fixed:	+5 C to +40°C
Accuracy:	+/- 1°C
Time delay fixed:	10 Sec
Output contact:	1 NO
Max power rating:	2200VA/30W
Max current:	10A AC / 1A DC
Mechanical life:	>30 million ops
Electrical life:	200 000 ops @ 2200VA resistive
Max duty:	600 ops / hour

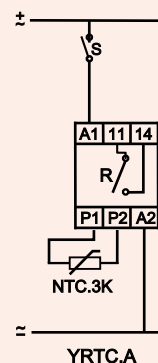
General:

Operating temperature:	-20°C to +65°C
Storage temperature:	-20°C to +65°C
Sensor:	22.5mm front panel mounted
CE marked:	Yes
In accordance with:	EN61000-6-1: 2007 EN61000-6-3: 2007 EN61010-1: 2002

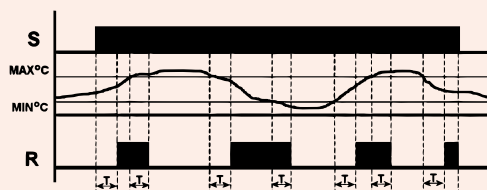
Housing material:	Polycarbonate, Auto extinguishable to UL 94 V-0
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CONNECTIONS



FUNCTION



ORDERING INFORMATION

TYPE

YRTCA/5 - 40°C

VOLTAGE

230VAC, 110VAC, 48VACDC, 24VACDC

Above units supplied complete with panel mounted sensor
Spare sensors available/No. NTC3K

It is possible for applications within the HVAC industry to manufacture bespoke temperature ranges of the above units, please contact our sales office for further assistance.