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REPORT

ON

COMPONENT - TEMPERATURE-INDICATING AND -REGULATING EQUIPMENT

STEGO ELEKTROTECHNIK GMBH
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D E S C R I P T I O N

PRODUCT COVERED

USR, CNR Component - Temperature-indicating and -regulating equipment. Model Series FTO 011, followed by 60, followed by .0, followed by -00 or -01 **or -03** or -05 **or -09 or -10.**

Model Series FTS 011, followed by 61 or 62, followed by .0, followed by -00 or -01 or -02 or -03 **or -04 or -06 or -08 or -09 or -10.**

*Model Series FTD 011, followed by **63 or 64 or 65 or 66**, followed by .0, followed by -00 or -01 or -02 or -03 **or -04 or -05 or -06 or -08 or -09 or -10.**

USR - Indicates compliance with UL 60730-1A, the Standard for Automatic Electrical Controls for Household and Similar Use, Part 1: General Requirements, Third Edition, Dated January 28, 2002 and UL 60730-2-9, Particular Requirements for Temperature Sensing Controls, Third Edition, dated October 13, 2010.

CNR - Indicates compliance with CSA E60730-1, the Canadian Standard for Automatic Electrical Controls for Household and Similar Use, Part 1: General Requirements, Third Edition, dated July 2002 and CAN/CSA E60730-2-9, Automatic Electrical Controls for Household and Similar Use - Particular Requirements for Temperature Sensing Controls, Dated December 2001.

GENERAL

The devices covered in this Report are bi-metal thermostats intended for use in appliance temperature regulating applications. These thermostats are Type 1.C incorporated controls with IP20 degree of protection, subjected to 100,000 automatic cycles.

RATINGS

Model	Load	Contacts	High Limit Setpoint, °C
FTO 01160.0-00	120 V ac, 10 A Resistive or 1/10 hp 250 V ac, 5 A Resistive or 1/10 hp	NC	15
FTO 01160.0-01	120 V ac, 10 A Resistive or 1/10 hp 250 V ac, 5 A Resistive or 1/10 hp	NC	25
FTO 01160.0-03	120 V ac, 10 A Resistive or 1/10 hp 250 V ac, 5 A Resistive or 1/10 hp	NC	80
FTO 01160.0-05	120 V ac, 10 A Resistive or 1/10 hp 250 V ac, 5 A Resistive or 1/10 hp	NC	10
FTO 01160.0-09	120 V ac, 10 A Resistive or 1/10 hp 250 V ac, 5 A Resistive or 1/10 hp	NC	70
FTO 01160.0-10	120 V ac, 10 A Resistive or 1/10 hp 250 V ac, 5 A Resistive or 1/10 hp	NC	0
FTS 01161.0-00	120 V ac, 10 A Resistive or 1/10 hp 250 V ac, 5 A Resistive or 1/10 hp	NO	50
FTS 01161.0-01	120 V ac, 10 A Resistive or 1/10 hp 250 V ac, 5 A Resistive or 1/10 hp	NO	60
FTS 01161.0-02	120 V ac, 10 A Resistive or 1/10 hp 250 V ac, 5 A Resistive or 1/10 hp	NO	35
FTS 01161.0-03	120 V ac, 10 A Resistive or 1/10 hp 250 V ac, 5 A Resistive or 1/10 hp	NO	80
FTS 01161.0-04	120 V ac, 10 A Resistive or 1/10 hp 250 V ac, 5 A Resistive or 1/10 hp	NO	15
FTS 01161.0-06	120 V ac, 10 A Resistive or 1/10 hp 250 V ac, 5 A Resistive or 1/10 hp	NO	40
FTS 01161.0-08	120 V ac, 10 A Resistive or 1/10 hp 250 V ac, 5 A Resistive or 1/10 hp	NO	5
FTS 01161.0-09	120 V ac, 10 A Resistive or 1/10 hp 250 V ac, 5 A Resistive or 1/10 hp	NO	0
FTS 01161.0-10	120 V ac, 10 A Resistive or 1/10 hp 250 V ac, 5 A Resistive or 1/10 hp	NO	-5
FTS 01162.0-00	120 V ac, 10 A Resistive or 1/10 hp 250 V ac, 5 A Resistive or 1/10 hp	NO	50
FTS 01162.0-01	120 V ac, 10 A Resistive or 1/10 hp 250 V ac, 5 A Resistive or 1/10 hp	NO	60
FTS 01162.0-02	120 V ac, 10 A Resistive or 1/10 hp 250 V ac, 5 A Resistive or 1/10 hp	NO	35
FTD 01163.0-00	120 V ac, 10 A Resistive or 1/10 hp 250 V ac, 5 A Resistive or 1/10 hp	NC	15
		NO	50
FTD 01163.0-01	120 V ac, 10 A Resistive or 1/10 hp 250 V ac, 5 A Resistive or 1/10 hp	NC	25
		NO	60
FTD 01163.0-02	120 V ac, 10 A Resistive or 1/10 hp 250 V ac, 5 A Resistive or 1/10 hp	NC	15
		NO	35
FTD 01163.0-03	120 V ac, 10 A Resistive or 1/10 hp 250 V ac, 5 A Resistive or 1/10 hp	NC	25
		NO	50

FTD 01163.0-05	120 V ac, 10 A Resistive or 1/10 hp	NC	25
	250 V ac, 5 A Resistive or 1/10 hp	NO	35
FTD 01163.0-08	120 V ac, 10 A Resistive or 1/10 hp	NC	15
	250 V ac, 5 A Resistive or 1/10 hp	NO	15
FTD 01163.0-09	120 V ac, 10 A Resistive or 1/10 hp	NC	10
	250 V ac, 5 A Resistive or 1/10 hp	NO	-5
FTD 01163.0-10	120 V ac, 10 A Resistive or 1/10 hp	NC	15
	250 V ac, 5 A Resistive or 1/10 hp	NO	5
FTD 01164.0-00	120 V ac, 10 A Resistive or 1/10 hp	NO	50
	250 V ac, 5 A Resistive or 1/10 hp	NO	60
FTD 01164.0-01	120V ac, 10 A Resistive or 1/10 hp	NO	15
	250V ac, 5 A Resistive or 1/10 hp	NO	5
FTD 01166.0-00	120V ac, 10 A Resistive or 1/10 hp	NC	15
	250V ac, 5 A Resistive or 1/10 hp	NC	15

(#) NC = Normally Closed, NO = Normally Open

NOMENCLATURE

FTS	011	YY	.	Z	-	XX
I	II	III		IV		V

I. Model Type FTS/FTO/FTD

II. Product Line, 011

III. Type of Thermostat

For FTO only:

60 = Single Pole, NC

For FTS only:

61 = Single Pole, NO

62 = Single Pole, NO

For FTD (Dual Thermostat) only:

63 = Single Pole, NC/NO

64 = Single Pole, NO/NO

65 = Single Pole, NC/NC

66 = Single Pole, NC/NC

IV. Design

0 = Standard

V. Temperature Setpoint (-00, -01, -02, -03, **-04**, -05, **-07**, -08, -09, -10).
See Ratings Table for setpoints corresponding to each Model.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE USE):

Conditions of Acceptability - When installed in the ultimate application, the following are among the considerations to be made.

1. The terminals have not been evaluated for field wiring.
2. The device shall be installed in compliance with the enclosure, mounting, spacing, and segregation requirements of the ultimate application.
3. Acceptability of the leads and connections to the terminals including insulation type, temperature, secureness, attachment method, and spacing shall be determined in the ultimate application. The Heating (Temperature) Test was conducted using R/C AWM 18 AWG leads rated 105°C. The temperature on these leads was measured to be 93.2°C.
4. The torque for the pressure screws on the terminal block is 4.5 lb-in.
5. If the mounting surface on the end product exceeds 80°C, the polymeric housing shall be re-evaluated with the higher temperature.
6. The performance of these devices with regards to safety or limiting applications has not been investigated.
7. These devices are considered a non-safety, Type 1 control (deviation and drift has not been verified).
8. The devices were tested at an elevated ambient of 80°C.