

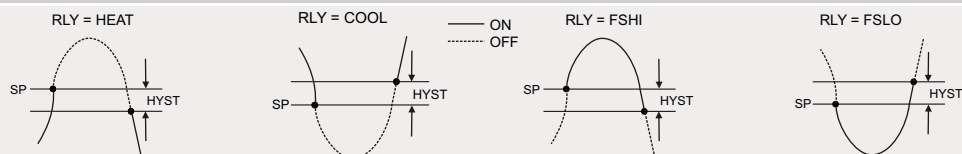


- **Input**
 - **Input group 1** : Pt100
 - **Input group 2** : 4~20 mA, 0~20 mA, 0~10 V DC
 - **Input group 3** : 8 Thermocouples, 0/4~20 mA
- **1 setpoint**
- **85~265 V AC SMPS**
- **Functions** : ONOFF and Time Proportional
- **Accuracy** : ± 0.1% of full scale ± 1 °C, typical
- **Sensor break indication**

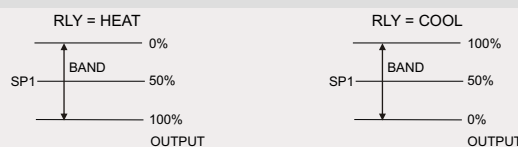
SPECIFICATIONS All specifications at ambient of 25 °C, unless specified otherwise

<p>INPUTS</p> <p>Input group 1 RTD</p> <p>Input group 2 Linear input</p> <p>Input group 3 Thermocouple RTD</p> <p>Linear input Transmitter supply</p> <p>Load resistance for 0/4~20 mA input</p> <p>Range limits</p> <p>Accuracy</p> <p>Cold junction compensation</p> <p>Temperature coefficient of accuracy</p> <p>Units Pt100, Thermocouple Linear</p> <p>OUTPUT</p> <p>No. of relays</p> <p>Relay contact type</p> <p>Relay contact rating</p> <p>SSR drive</p> <p>INDICATION</p> <p>Display</p> <p>Status indication</p>	<p>Pt100</p> <p>4~20 mA, 0~20 mA, 0~10 V DC</p> <p>B, E, J, K, N, R, S, T Pt100</p> <p>4~20 mA, 0~20 mA 22 V DC, Nominal, 30 mA max (17 V DC available across transmitter; for HART transmitter, please inquire)</p> <p>250 Ω, internally provided</p> <p>See Table 1 See Table 1</p> <p>Automatic ± 0.02% of span / °C</p> <p>°C (For °F, contact us) EU</p> <p>0/1 electromagnetic relay NO-C</p> <p>a) 5A / 230V AC, resistive b) 25A / 230 VAC / 24 VDC power relay</p> <p>12 V DC drive signal for external SSR</p> <p>Upper : 4 digit, 7 segment 0.56" (14.2 mm) red LED display Lower : 4 digit, 7 segment 0.39" (9.9 mm) green LED display 1 LED for relay status</p>	<p>PROGRAMMABLE PARAMETERS</p> <p>Setpoint</p> <p>Hysteresis / band</p> <p>Resolution</p> <p>Bias</p> <p>High scale</p> <p>Low scale</p> <p>Control functions</p> <p>Cycle time for TPC Relay logic</p> <p>Proportional offset</p> <p>OTHER</p> <p>Enclosure</p> <p>Protection</p> <p>Keyboard</p> <p>Material</p> <p>Dimensions (in mm)</p> <p>Mounting</p> <p>Mounting accessories</p> <p>Connection, single/stranded wires</p> <p>Supply voltage</p> <p>Power consumption</p> <p>Operating ambient temperature</p> <p>Relative humidity</p>	<p>Full range (See Table 1) 0.1 to 99.9 °C 1 (for TC) 0.1, 1 (for Pt 100) 0.001, 0.01, 0.1, 1 (for Linear input) -99.9 to 99.9</p> <p>Full range (See Table 1) Full range (See Table 1) ONOFF, Time Proportional Control (TPC) (RLY1), 1 ~ 99 seconds a. Heat b. Cool c. Full scale high alarm d. Full scale low alarm -99.9 to 99.9 °C (RLY1)</p> <p>Certified flameproof for gas groups I, IIA & IIB IP65 Tactile, 3 keys, inside enclosure Aluminium alloy 250(H) x 150(W) x 95(D) Wall mount / Pipe mount Included</p> <p>≤ 2.5 mm², AWG 14 85~265 V AC, 50/60 Hz 3 watts maximum 0 ~ 50 °C</p> <p>Below 90%, non condensing</p>
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RELAY LOGIC



ONOFF CONTROL



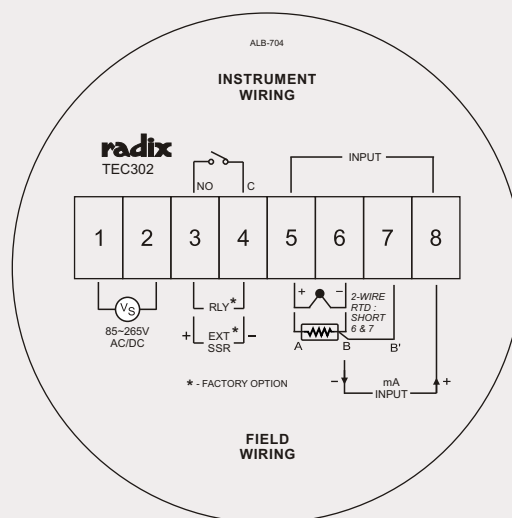
TIME PROPORTIONAL CONTROL

TABLE 1

SENSOR / INPUT	RANGE LIMITS (°C / EU)		RANGE IN WHICH ACCURACY IS SPECIFIED		TYPICAL ACCURACY AT 30 °C (°C / EU)	WORST CASE ACCURACY (°C / EU)
	LOW SCALE	HIGH SCALE	LOW SCALE	HIGH SCALE		
Iron / Constantan (J)	-99	750	0	750	± 1	± 3
Chromel / Alumel (K)	-99	1350	-50	1200	± 1	± 3
Pt / Pt - 13% Rh (R)	0	1760	0	1760	± 2	± 5
Pt / Pt - 10% Rh (S)	0	1760	0	1760	± 2	± 5
Copper / Constantan (T)	-99	400	-50	400	± 1	± 3
Nicrosil / Nisil (N)	-99	1300	-50	1200	± 1	± 3
Pt - 6% Rh / Pt - 30% Rh (B)	400	1820	400	1820	± 3	± 5
Chromel / Constantan (E)	-99	900	0	800	± 1	± 3
Pt100, 3-wire	-99	850	-50	850	± 0.5 *	± 2.0
Linear 0~20 mA, 4~20 mA, 0~10 V DC	-1999	9999	-1999	9999	± 5 EU	± 20 EU

* ± 0.2°C in the range -50 to +400 °C

CONNECTION DIAGRAM



ORDERING INFORMATION

ORDER CODE : 2274

The standard input group is input group 1 (Pt100).

Ordering Options

The following ordering options are available on request. Minimum order quantity and/or minimum order value may apply.

	Option	Details
1.	Input group 2	0~10 V DC, 0/4 ~ 20 mA
2.	Input group 3	8 thermocouples, Pt100, 0/4~20 mA
3.	SSR drive	For relay1
4.	Unit	°F
5.	Special relay	25 A / 230 V AC



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