

PROCESS INDICATOR FLAMEPROOF



- COMPACT DESIGN WITH LOW DEPTH
- UNIVERSAL INPUT
(Pt100, THERMOCOUPLE, 4~20 mA, 0~10 VDC)
- TRANSMITTER SUPPLY (OPTIONAL)
- LARGE DISPLAY
- 1 RELAY / 1 RETRANSMISSION OUTPUT
- IP66

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FEATURES

- Compact : 250x150x95 mm
- Large display : 20.32 mm
- Universal Input (Pt100, Thermocouple, 4~20 mA & 0~10 V)
- Input sampling cycle 200ms
- 1 Setpoint / 1 Retransmission Output
- IP66 front
- 85~265 V AC SMPS or 20~30 VDC

SPECIFICATIONS

All specifications at ambient of 25 °C unless specified otherwise

INPUTS			
Input	Thermocouple RTD Current Voltage Transmitter supply Sampling time Range limits Accuracy	J, K, R, S, T Pt100, 3-wire 0~20mA / 4~20mA 0~10 VDC 22 V nominal, 30mA max (Optional) 200 ms See Table 1 Thermocouple : ± 0.25% of FS ±1 °C Pt100 : ± 0.05% of FS ±1 °C Analog Inputs : ± 0.25% of FS ±1 digit 30 minutes	
	Warm up time for specified accuracy Cold junction compensation		Automatic
OUTPUTS			
No. of setpoint No. of relay Relay contact type Relay contact rating SSR drive		1 0 / 1 NO-C 5A/250 V AC 12 V DC drive signal for external SSR	
No. of analog outputs Current output		0 / 1 4~20 mA / 0~20 mA / 20~4 mA / 20~0 mA isolated from input	
Maximum load for current output Voltage output Load for voltage output		500 ohms 0-10 V / user specified >10 Kohms	
INDICATION		Single row Red Display 0.8" / 20.32 mm	
POWER SUPPLY			
Supply voltage		a) 85~265 V AC, 50/60 Hz b) 20~30 V DC	
ISOLATION		Mutual isolation between input, supply, relay, output	1500 VAC rms, 50Hz / 1 minute
*ENCLOSURE		Mounting Terminals Housing Material Protection Certification Cable entry Cable gland Weight	245(H) x 145(W) x 90(D) mm See Fig.1 Wall / Pipe M3 Screw, suitable for 2.5 mm ² wire Die cast Al. Alloy IP66 Flameproof, Gr IIA, IIB, IIC 2 or 3 1/2" NPT, 2/3 cable entries available Approx 1.8 kg
TEMPERATURE, HUMIDITY		Ambient operating temperature Relative operating humidity	-10 to 50 °C Below 90% RH, non-condensing
PROGRAMMABLE PARAMETERS		Setpoint Unit Resolution For RTD & TC For Linear Input High scale Low scale Digital filter Bias Band (P) Hysteresis (ON/OFF control) Relay logic	Full range (See Table 1) °C, °F 0.1 or 1 0.001, 0.01, 0.1 or 1 Full range (See Table 1) Full range (See Table 1) Low, High, None -99.9 ~ 99.9 0.1~999.9, 0~100% of span 0.1-999.9 a. Heat b. Cool c. Full scale high alarm d. Full scale low alarm Auto/Latch/Latch-hold (at power on) Through key Lock, Unlock
*Note : No keys available on enclosure. Programming to be done after opening the enclosure cover in safe area			

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DIMENSIONS mm

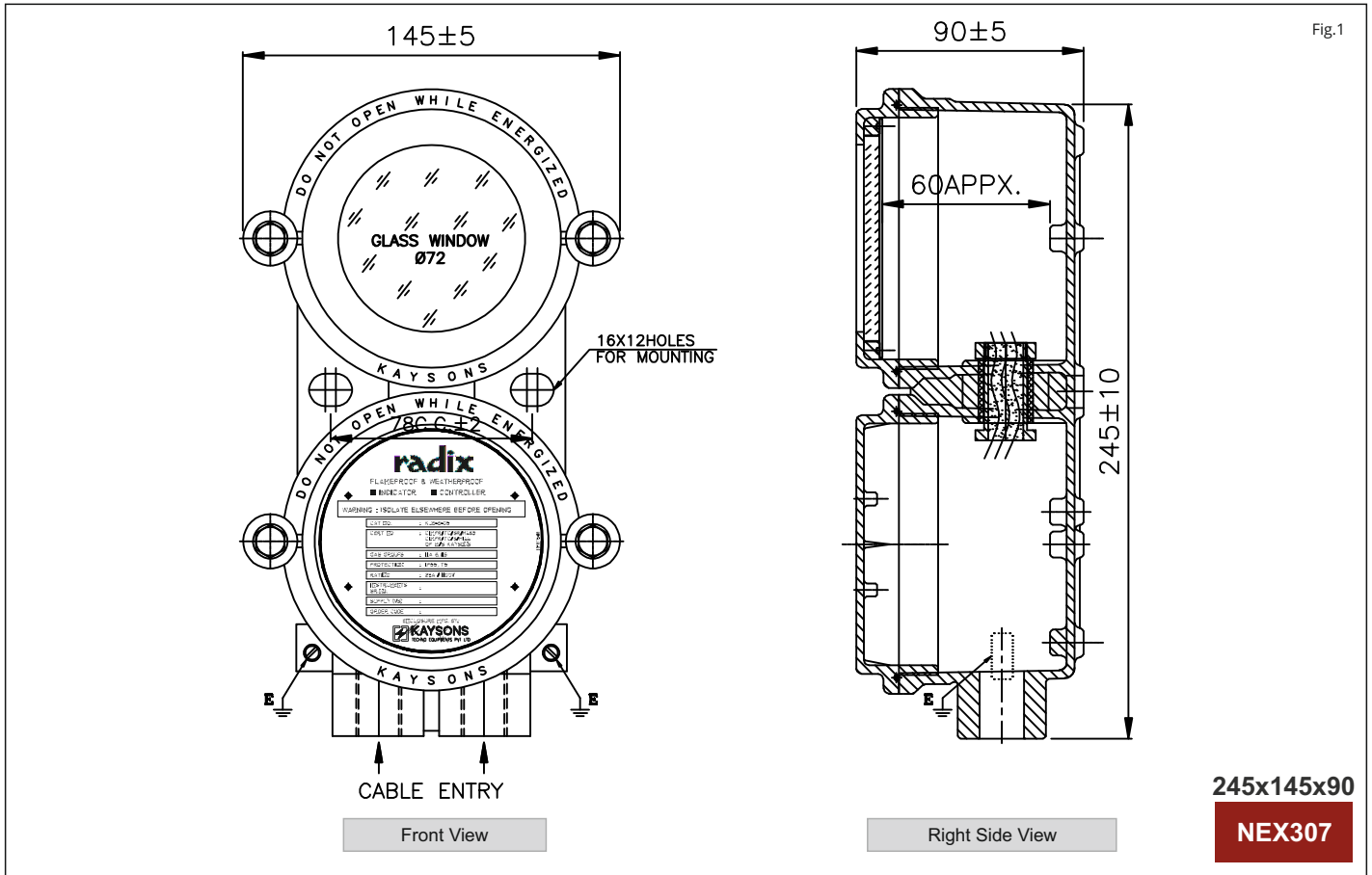


TABLE 1

SENSOR / INPUT	RANGE LIMITS (°C / EU)	
	LOW SCALE	HIGH SCALE
Iron / Constantan (J)	-100	850
Chromel / Alumel (K)	-200	1370
Pt / Pt - 13% Rh (R)	0	1700
Pt / Pt - 10% Rh (S)	0	1700
Copper / Constantan (T)	-200	400
Pt100, 3-wire	-200	850
0-20mA/4-20mA	-1999	9999
0-10 V	-1999	9999

