SENTINEL CHART RECORDER

SPECIFICATIONS
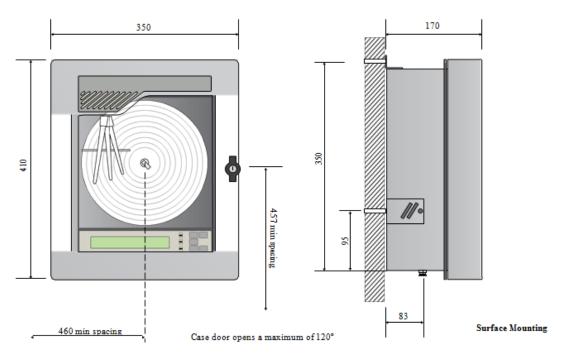
Input Signals		Standard) Thermocouples K, T, J, N, E, B, R & S Platinum RTD (Pt100) 3-wire DC voltage ±2V, +20V DC current ±2mA, ±20mA
Temperature Ranges		Thermocouples to BS4937 (type B minimum temp 200°C) RTD to BS1904:1984 High and low measurement ranges for each input
Minimum Span		5°C (Thermocouples K, J, T, E, N & RTD)
Thermocouple Burn-out		Pull-up or pull-down, link selectable
Input Protection		±50Vdc on signal inputs
Performance	**Accuracy**	RTD: Low range (<200°C) ±0.2°C, High range (>200°C) ±0.8°C (Ambient 20°C) T/C: ±0.25% FS Linear: ±0.2% FS
	Temperature Stability	±0.02% FS/°C
Power Supply		115V or 230Vac ±10%, switch selectable, 50/60Hz.
Case		Steel case with acrylic door window
Protection		IP55
Mounting		Panel or surface
Options	**Output Current**	0 to 20mA or 4 to 20mA.
	Resolution	12 bits (0.024%)
	Action	Direct or reverse
	Isolation	Optoelectronic
Chart & Display	**Chart Size**	240mm (9.5") circular paper chart
	Chart Divisions	40, 50, 60, 70 or 80 linear divisions
	Chart Drive	DC stepper motor
	Chart Speeds	1 to 24 hours in steps of one hour, 2 to 31 days in steps of 1 day

ORDERING CODE:-

SEN30	-	3	2	C	2
①		②	③	④	⑤

①**Item/Series**		SEN10	Sentinel Recorder Controller-single pen
		SEN20	Sentinel Recorder Controller-two pen
		SEN30	Sentinel Recorder Controller-three pen
		SEN10F	Sentinel Recorder Controller-single pen-flow version
		SEN20F	Sentinel Recorder Controller-two pen-flow version
		SEN30F	Sentinel Recorder Controller-three pen-flow version
		SEN20P	Sentinel Recorder Controller-three pen-dairy version
		SEN20KD	Sentinel Recorder Controller-two pen-timber kiln
②**Alarm (user configuration)**		3	3 alarms (standard on single pen)
		6	6 alarms (standard on 2 and 3 pens, option for single pen recorder
③**Retransmission**		1	Required
		2	Not required
④ **Events Pen**		C	Required (1 pen only)
		2	Not required
⑤**Transmitter Power Supply**		1	Required
		2	Not required

DIMENSION:

350

410

457 min spacing

460 min spacing

Case door opens a maximum of 120°

170

350

95

83

Surface Mounting

130

356

Panel Cut-Out
Flush Panel Mounting

130

19 MAX panel thickness

47

Flush Panel Mounting