Installation Notes TMT 181, TMT 187, TMT 188

- 1) FMRC certified apparatus must be installed in accordance with manufacturer's instructions.
- 2) FMRC certified associated apparatus must meet the following requirements:
  Uo or Voc ≤ Ui or Vmax Io or Isc ≤ Ii or Imax Po or Pmax ≤ Pi or Pmax
  Ca ≥ Ci + Ccable La ≥ Li + Lcable



- 3) The installation must be in accordance with the National Electrical Code NEC ANSI / NFPA 70, Article 504 and ANSI / ISA-RP 12.6
- 4) Use supply wires suitable for 5°C above surrounding.
- 5) The configuration of the headtransmitter TMT 181 is only permitted in nonhazardous locations.
- 6) The voltage of the "tools" used for configuration should not exceed Um = 30 V.

  This can be achieved e.g. by a battery powered laptop. An approved adapter with barrier (e.g. TMT 181A) has to be used for configuration using a PC with mains connection (Um < 253V).

Warning: Substitution of Components may impair intrinsic safety

TMT 181 / TMT 187 / TMT 188		IS / Class I / Division 1 / Groups ABCD / T4/T5/T6 Class I / Zone 0 / AEx ia IIC / T4/T5/T6 NI / Class I / Division 2 / Groups ABCD / T4/T5/T6		
Supply circuit (Terminal 1 and 2)		Vmax = Ui ≤ 30 VDC Imax = Ii ≤ 100 mA Pmax = Pi ≤ 750 mW Ci ~ 0 Li ~ 0		
Sensor circuit (Terminal 3 until 6)		$\begin{array}{rcl} \text{Voc} &=& \text{Uo} \leq & 8.2  \text{VDC} \\ \text{Isc} &=& \text{Io} \leq & 4.5  \text{mA} \\ \text{P} &=& \text{Po} \leq & 9.36  \text{mW} \end{array}$		
Values Gro	up A, B AEx ia IIC up C AEx ia IIB up D AEx ia IIA	La = Lo = 4.5 mH		
Temperature range		T6: Ta = -40°C +55°C T5: Ta = -40°C +70°C T4: Ta = -40°C +85°C		

	Edg	e of working	ts ISO 13 +0.2	3715	Tolera	netrical ncing 768-mH-E	Solies	Volume:   [mm³]   Material   ZD 002R/09/en/08.00   IdentNo.   510 01932
						Date	Name	Title
					Drawn	1999-12-13	Kellermann	
					Check.	2000-12-17	Kellermann	CONTROL DRAWING FM
					Norm			iTEMP TMT 181(7)(8)
					Sheet size A4			
					Repl. f	or:		
	Α		2000-09-01	TK	FNIC	RESS-H	HAUSER	Drawing No. Sheet
	Index <b>Part:</b>	Revision	Date	Name	WETZER			14 05 00 111