

TEMPERATURE TRANSMITTERS FOR EXPLOSION PROOF SENSOR ASSEMBLIES



1. TRANSMITTER TYPE	
CODE	DESCRIPTION
T-440 *	(4 to 20) mA heat-mounted transmitter
T-441	(4 to 20) mA isolated heat-mounted transmitter
T-442	(4 to 20) mA HART® isolated heat-mounted transmitter
75T-642B	(4 to 20) mA HART® Field Transmitter with aluminum explosion proof housing FM/CSA Class I, Div 1, Groups A, B, C, D; Class II, Groups E, F, G; Class III
75T-642D	(4 to 20) mA HART® Field Transmitter with aluminum explosion proof housing FM/CSA Class I, Div 1, Groups A, B, C, D; Class II, Groups E, F, G; Class III

*Only available with 2 or 3 wire input connection and Pt100 sensor type.

2. OPTIONS (FOR 642 SERIES ONLY)	
CODE	DESCRIPTION
T	Solid cover
D	Glass cover with digital display

*Leave blank if using 440, 441, or 442

3. INPUT TYPE	
CODE	DESCRIPTION
00*	Unconfigured
1	Thermocouple (TC)
2	RTD (2-wire)
3	RTD (3-wire)
4	RTD (4-wire)

*Default setting supplied as Pt100 (0-100)°C

7. UNIT OF MEASURE	
CODE	DESCRIPTION
C	Celsius
F	Fahrenheit

6. RANGE	
CODE	DESCRIPTION
S	(lower limit - upper limit)

5. FAILURE MODE	
CODE	DESCRIPTION
U	Upscale Burnout > = 20.5 mA
D	Downscale Burnout < = 3.8 mA

4. SENSOR TYPE	
CODE	DESCRIPTION
J	Type J thermocouple
K	Type K thermocouple
T	Type T thermocouple
N	Type N thermocouple
E	Type E thermocouple
85	100 ohm platinum (α = 0.00385°C)