



# TEMPERATURE

## KELE RANGEABLE WALL DELTA STYLE TEMPERATURE TRANSMITTER ST-T91D SERIES

### DESCRIPTION

The **Kele ST-T91D Rangeable Wall Delta style Temperature Transmitter Series** provides stable, accurate room sensing for temperature control and building automation systems, and it is CE approved for level-one applications.

The **ST-T91D Series** has a loop-powered 4-20 mA output with a standard temperature range of 40° to 90°F (4° to 32°C), although other ranges can be field calibrated between -30° to 250°F (-34° to 121°C). To adjust the **ST-T91D Series**, set the DIP switches to match the desired range, and use the zero and span pots to fine tune. A high accuracy digital ohmmeter and decade box are required.

The **ST-T91D Series** has a special 20 mA loop calibration test signal to provide easy system verification. Simply move the bottle plug jumper from norm to 20, and the transmitter will output a constant 20 mA. The loop up LED provides power indication for the 4-20 mA output.

### FEATURES

- **High accuracy**
- **No-drift platinum**
- **Loop calibration test signal**
- **Low cost**
- **Decorative enclosure**
- **Loop power LED indication**
- **CE approved (commercial and industrial)**

### SPECIFICATIONS

Supply Voltage	10.5-45 VDC
Signal Output	4-20 mA, two-wire, loop powered
Maximum Output Impedance mA	750Ω @ 24 VDC
Accuracy	
Sensor	±0.54°F (0.30°C)
Transmitter	0.1°F or 0.2% of span
Rangeability	Min span of 40°F (22°C)
Range	
Zero	-30° to 210°F (-34.4° to 98.9°C)
Minimum Span	40°F (4.4°C)
Usable Range	-30° to 250°F (-34.4° to 121.1°C)
Sensor Type	1000Ω thin film platinum TCR 0.00375 Ω/Ω /°C
Sensitivity	2.1Ω / @ 32°F
Operating Temperature	0° to 140°F (-18° to 60)°C
Operating Humidity	0% to 95%, non-condensing
Dimensions	2.8" x 4.5" x 1.0" (7 x 11.4 x 2.5cm)
Weight	0.3 lb (0.14 Kg)
Approvals	CE
Warranty	1 year

NEW!



ST-T91D

Kele



CE

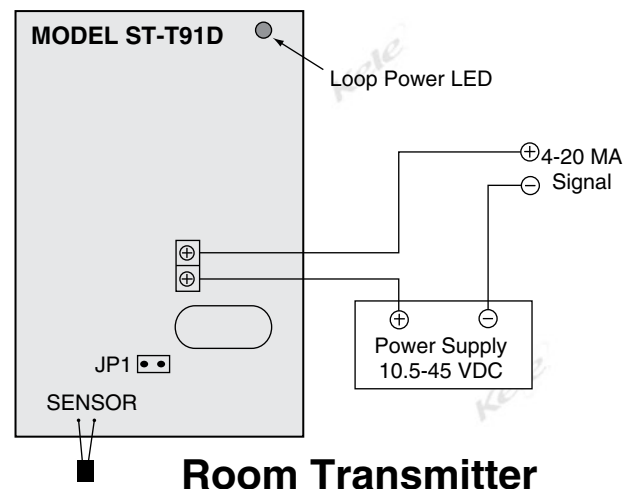
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### WIRING



Room Transmitter



### ORDERING INFORMATION

MODEL	DESCRIPTION
ST-T91D	Delta room temperature transmitter, 4-20 mA = 40° to 90°F (4.4° to 32.2°C)
	<b>CE CERTIFICATION</b>
	– Commercial CE (EN50081-1 and EN50082-1)
	<b>EMC</b> Industrial CE, RF/EM hardened (EN50081-2 and EN50082-2)
	<b>OPTIONS</b>
	<b>XR</b> Custom range (specific range)
	<b>XR1</b> Range option = 20° to 120°F (-6.7° to 48.8°C)
	<b>XR2</b> Range option = 0° to 100°F (-17.7° to 37.8°C)
	<b>XR3</b> Range option = 30° to 100°F (-1.1° to 37.8°C)
	<b>XR11</b> Range option = 32° to 97°F (0° to 35°C)
	<b>XR14</b> Range option = 32° to 122°F (0° to 50°C)

**ST-T91D** – **EMC** – **XR1** **Example:** **ST-T91D-XR1** Rangeable platinum room temperature transmitter with calibration 20° to 120°F

### RELATED PRODUCTS

**DCP-1.5-W**  
**DCPA-1.2**

Power supply, 24 VAC IN to 24 VDC OUT  
Power supply, 120 VAC IN to 24 VAC/24 VDC OUT