DATA SHEET

# TEKY6 LU

Produal

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# COLD SPACE TEMPERATURE TRANSMITTER TEKY6 LU

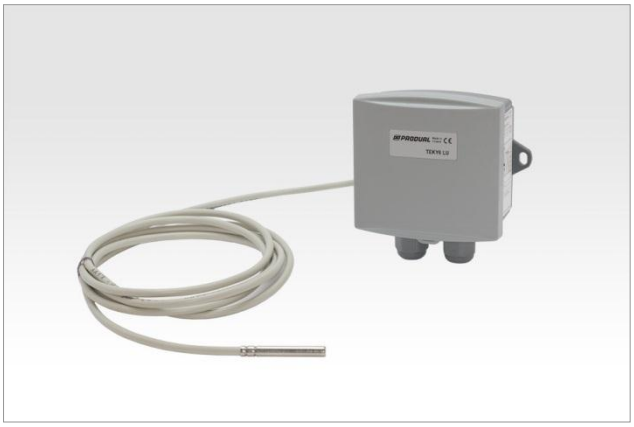
TEKY6 LU temperature transmitter is designed for cold space temperature measurement in automatic HVAC systems.

The temperature is detected by a Pt1000 sensor element. The sensor element resistance information is converted to a 0...10 V signal. The temperature range can be chosen at the commissioning.

The transmitter settings can be changed by using the ML-SER commissioning tool. The tool can be used to make one point field calibration and to change the temperature output to controller output.

The transmitter can be equipped with a display that has resolution of 0.1 °C.

Silicone cable version TEKY6S LU is available for more demanding conditions.



## Selecting the measuring range

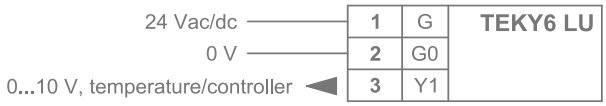
| 0...+50 °C | 0…+100 °C | *-50…+50 °C | -50…+150 °C |
|---|---|---|---|
| S1 S2 | S1 S2 | S1 S2 | S1 S2 |

* = Factory setting

## Output signal

| 0…50 | 0…100 | -50…50 | -50…150 | Signal |
|---|---|---|---|---|
| 0 °C | 0 °C | -50 °C | -50 °C | 0 V |
| 25 °C | 50 °C | 0 °C | 50 °C | 5 V |
| 50 °C | 100 °C | 50 °C | 150 °C | 10 V |

## Wiring




## Technical data

| | |
|---|---|
| Supply | 24 Vac/dc (22...30 V) < 1 VA |
| Sensor element | Pt1000 EN60751/B |
| Ranges | 0...50 °C 0...100 °C<br>-50…50 °C -50…150 °C |
| Accuracy | ±0.5 °C (at 0 °C) |
| Output | 0…10 Vdc, < 2 mA |
| Measuring probe | |
| sleeve | ∅ 6 mm x 45 mm, stainless steel |
| cable | ∅ 5 mm x 2.3 m, LIYY 2 x 0.5 |
| material, TEKY6 | PVC |
| material, TEKY6S | silicone |
| protection class | IP67 |
| ambient temperature | |
| TEKY6 | -30…+80 °C |
| TEKY6S | -50…+150 °C |
| Housing | |
| protection class | IP54 (cable gland downwards) |
| cable gland | M16 |
| ambient temperature | -30…60 °C |

## Ordering guide:

| Model | Product number | Description |
|---|---|---|
| TEKY6 LU | 1179320 | 3-wire, 0…10 V temperature transmitter |
| TEKY6S LU | 1179340 | 3-wire, 0…10 V temperature transmitter |
| TEU-N V2 | 1170270 | display cover for LL and LU transmitters |
| ML-SER | 1139010 | transmitter commissioning tool |

Products fulfil the requirements of directive 2004/108/EC and are in accordance with the standards EN61000-6-3: 2001 (Emission) and EN61000-6-2: 2001 (Immunity).


Information is subject to change without prior notice.