

1.2 Technical Data

Technical Data - SK01-T-ETF1

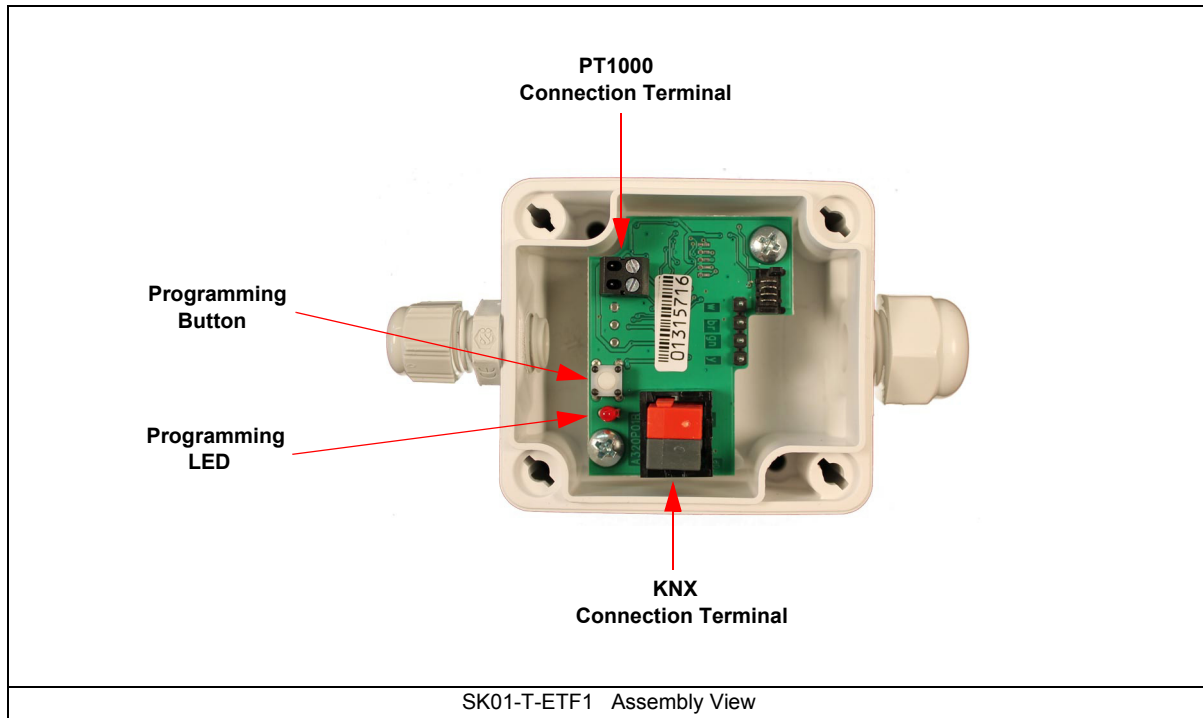
| | |
|--|---|
| Measurement | Temperature |
| Object Typ | 2-Byte-float |
| Temperature Controller HVAC Modi | HVAC with Increase / Decrease Options HVAC with Relative Set Point Adjustment HVAC with Absolute Set Point Adjustment |
| Temperature Controller Operating Modes | Comfort Temperature Standby Temperature Night Temperature Frost Protection Temperature |
| Temperature Controller Controller Output | Steady PI Controller Switched PI Controller (PWM) Two-Position Controller |
| Temperature Controller HVAC-Display | HVAC-Status Byte |
| Limit Alarm (upper / lower) | Temperature |
| Minimum / Maximum Temperature | Saved Minimum / Maximum Actual Temperature |
| Frost Protection Alarm | Falling Below Frost Protection Temperature |
| Tracking | Temperature |
| Adjustment Parameters | Offset Adjustment, Output Inversion |
| Lock and Reset Object | Minimum / Maximum Temperature |
| Send Options | Do not Send Periodic Sending by Adjustments |
| Environment Temperature | Storage: -25 .. +85°C Operating: -25 .. +80°C |
| Environment Humidity | 0 .. 95% rH not Condensed |
| Temperature Range | -30 .. 150°C |
| Accuracy | ± 0,3°C |
| Resolution | ± 0,01°C |

Technical Data - SK01-T-ETF1 (Fortsetzung)

| | |
|--------------------------|---|
| Operating Voltage | EIB/KNX Bus Voltage 21 .. 32VDC |
| Power Consumption | approx. 240mW (at 24VDC) |
| Auxiliary Supply | not Required |
| Bus Coupler | Integrated |
| Start-up with ETS | ARC_TFK.VD2 Product: Sensor Temperature IP65 |
| Circuit Points | EIB-2-Pole Clamps (red / black) |
| Protection Class | IP65 |
| Assembly Type Transducer | Immersion Sleeve |
| Casing Transducer | White Plastic |
| Casing Dimensions | 72 x 64 x 40 mm (W x D x H) |
| Article Number | 30101013 30101014 30101015 30101016 30101017 30101018 30101019 |
| Probe | PT1000 |

1.3 Startup

The KNX Sensor is set up using the ETS (KNX Tool Software) and the applicable application program.
The sensor is delivered unprogrammed.
All functions are programmed and parameterized with ETS.
Please read the ETS instructions.



1.4 Assembly

The **SK01-T-ETF1** sensors are for outdoor and (moist) indoor areas.

They fulfill protection class (IP65).

When connecting the PT1000 sensor does not have to be polarity independent.

After the sensor has been mounted onto the wall or ceiling, lead the KNX bus cable through the hole in the casing (PK screw connection). Remove the bus clamps from the device and connect the cable to it. Place the bus clamps back onto the device. After programming the device, place the lid back on by twisting the screws 90°.

Be careful not to damage the electronics during the installation process

In Case of Bus Voltage Recurrence

All changes made using the help key for the KNX/EIB bus are saved if the device has been correctly parameterized.
The controller and outputs start with their current values and the ETS parameter settings are saved.

Discharge Program and Reset Sensor

In order to delete the programming (projecting) and to reset the module back to delivery status, it must be switched to zero potential (disconnect the EIB bus coupler).

Press and hold the programming button while reconnecting the EIB bus coupler and wait until the programming LED lights up (approx. 5-10 seconds).

Now you can release the programming button.

The module is ready for renewed projecting.

If you release the programming button too early, repeat the aforementioned procedure.