

Product **FOCUS**

Efficiency in Automation

Cable • Connectivity • Cabinet • Control

*Air*TEMP Controller and *Air*TEMP Monitor



*Air*TEMP Controller
Part No.: 777200.0011

**Optimization of production processes through condition monitoring:
Intelligent temperature monitoring for control cabinets in machines
and production lines with *Air*TEMP Controller and *Air*TEMP Monitor**

Highlights:

- Reliable temperature monitoring through condition monitoring
- Easy integration into IoT ecosystems through MQTT protocols
- Local hosting in Germany in LÜTZE's own Azure Cloud
- High data security through encryption, compliance and update capability
- Efficient climate control via output relays to cooling devices
- Demand-based cooling for sustainable climate management
- Energy savings and reduction of the CO₂ footprint
- Data processing and storage in the *Air*TEMP Monitor Dashboard including reports and alerts in the event of faults
- Compatible with the *Air*BLOWER family in the *Air*STREAM system

Product Security:

- Security features: SBSFU (Secure Boot and Secure Firmware Update)
- Transport encryption: TLS (Transport Layer Security) with X509 certificates

AirTEMP Controller

The **AirTEMP** controller unit enables central and efficient monitoring of individual cabinets or control cabinet series combinations that are equipped with the **AirSTREAM** wiring system. The condition monitoring system enables thermal monitoring to increase operational reliability and ensure a sustainable and balanced climate in the control cabinet.



Highlights:

- Network-capable solution
- 24 V power supply
- 1.5 W power consumption
- 6 temperature sensors
- Protection class III, PELV
- Control of the **AirBLOWER** fan family
- Additional control output for cooling technology
- Integrated fault management
- Encrypted communication with the **AirTEMP** monitor

AirTEMP Monitor

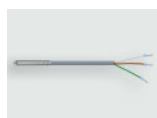
The **AirTEMP** Monitor is a cloud-based dashboard solution that allows operators remote access to monitor temperatures in real time. In addition, the parameters of the **AirTEMP** controller can be adjusted by the higher-level cloud instance. Data can be displayed in diagrams or requested via reports by email. By setting alerts, malfunctions can be detected early and countermeasures taken.



Highlights:

- Database-based storage of the **AirTEMP** controller temperatures
- Visualization of live data in personalized dashboards
- Custom configuration of control parameters, alerts and reports

Additional components for a balanced climate in the control cabinet



PT 100 (three core)
Part No.: 773900.0003



Adapter for mounting of the AirBLOWER
Part No.: 780994.0000



AirBLADE
Part No.: 380281.0010



AirBLOWER
Part No.: 777000.1011



AirBLOWER Compact
(2-5 fans per cabinet, connected in parallel from fan to fan)
Part No.: 777000.1022