

Technical Data

10 Channel Limit Temperatures Transmitter ALT605



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| Article | 10 Channel Limit Temperatures Transmitter ALT605 |
| Article number | 5262 |
| Application purpose | 10-channel temperature measuring device with adjustable limit values per channel for system and process monitoring. |
| General information | |
| Operation | 3 keys and 4 x 7-segment display on the device |
| Housing | Plastic |
| Dimensions | 100 x 70 x 112mm |
| Mounting | On DIN 35 top-hat rail or wall mounting with screws |
| Functional data | |
| Measuring method | resistive, Pt10k 2-wire |
| Measuring range | -30°C to +210°C or -22°F to +410°F, switchable |
| Resolution | 1°C |
| Accuracy | ±3°C |
| Alarm functions | 4 alarms, individually configurable |
| Alarm outputs | 4 x relay NO/NC, switchable |
| Alarm display | Visualization via decimal points of the 7-segment display |
| Reaction time | < 2s |
| Error monitoring | Alarm in case of sensor error or cable break |
| Interface | optional - potential separated RS485 interface: for printer connection or integration into control system / PLC → up to 30 devices can be connected to a bus connection → Alarm signal when limit value is exceeded → Read-out alarm logbook with date/time of limit value exceedance |
| Electrical data | |
| Operating voltage | 24V _{DC} , ±20% |
| Power consumption | 3W |
| Alarm output | potential-free relay contact |
| Switching voltage for alarm relay | max. 240V _{AC} |
| Switching current for alarm outputs | max. 1A _{AC} or DC |
| Potential separation | Alarm contacts to ALT605 |
| Temperature range | |
| Ambient | -20°C to +60°C |
| Storage | -20°C to +60°C |
| Safety relevant data | |
| Protection class | Protection class III |
| IP protection class | IP20 |
| ATEX certification | zonefree, sensor circuits outgoing for zone 20 |