

## Technical Data

### Dryer Control Unit ATW605



Article	Dryer Control Unit ATW605	Dryer Control Unit ATW605B
Article number	5020001	5020007
Application purpose	Monitoring device for grain dryers to prevent fires.	
<b>General information</b>		
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	
<b>Functional data</b>		
Measuring method	resistive, Pt10k 2-wire	
Measuring range	-30°C to +210°C or -22°F to +410°F, switchable	-20°C to 310°C or -4°F to 590°F
Resolution	1°C	
Accuracy	±3°C	
Alarm functions	4 alarms, heater, conveyor, fan, fire alarm	
Alarm outputs	4 x relay NO/NC, switchable	
Alarm display	Visualization via decimal points of the 7-segment display	
Reaction time	< 2s, in drying chamber: average value measurement 4min, start delay: 15min, see operating manual	
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	
<b>Electrical data</b>		
Operating voltage	24V <sub>DC</sub> , ±20%	
Power consumption	3W	
Alarm output	potential-free relay contact	
Switching voltage for alarm relay	max. 240V <sub>AC</sub>	
Switching current for alarm outputs	max. 1A <sub>AC</sub> or <sub>DC</sub>	
<b>Temperature range</b>		
Ambient	-20°C to +60°C	
Storage	-20°C to +60°C	
<b>Safety relevant data</b>		
Protection class	Protection class III	
IP protection class	IP20	
ATEX certification	zonefree, sensor circuits outgoing for zone 20	