



TT-24-A

US Solar Mounts Aeration Control Solutions

Technical Data Sheet

The TT-24-A is a versatile time and temperature controller that brings industrial-grade reliability and performance to the Lake & Pond industry. The TT-24-A is ideal for controlling compressors, pumps, and cooling fans. It is the perfect solution for owners, installers and professionals who require Industrial-Grade Time & Temperature control in a compact, easy-to-install package. Whether you need precise run time scheduling, temperature control, or maintenance alerts, the TT-24-A delivers exceptional performance to ensure your aeration system operates efficiently and reliably.



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| General | |
| Model | TT-24-ADV |
| Input Voltage (Control) | 24VDC |
| Operating Temperature Range | -20°F - 150°F |
| Dimensions | 4" (W) x 4.5" (H) x 2.37" (D) |
| Mounting | Standard 35mm DIN Rail |
| 7-Day Timer | |
| Programmable Events | Up to 16 ON/OFF events per day |
| Adjustments | Fully configurable for weekdays/weekends |
| Relay Output Load | 15A MAX @ 120VAC / 15A MAX @ 60VDC |
| Time Format | 24-Hour |
| Buttons | Timer, Manual, Clock, Day, Hour, Min, Reset |
| Temperature Control | |
| Built-In Digital Temperature Sensor | |
| Factory Setpoint | 90°F (adjustable range: 80°F to 100°F) |
| Hysteresis | 5°F (to prevent frequent cycling) |
| High-Temperature Limit | Fixed at 130°F with alarm and relay activation |
| Relay Output | 5A max at 24V DC |
| Output Relays Specs | |
| Time Clock Relay | Isolated, Form C, 15A Max @ 120VAC/60VDC |
| AUX Relay | Isolated, Form C, 5A MAX @ 60VDC |
| Fan Output | MOSFET Output, 24VDC, 1A MAX |
| Alerts & Alarms | |
| Filter Check Timer | 30 Days, 45 Days, 60 Days |
| High Limit Alert | 130°F with manual reset AUX Relay Output |

Questions? Need design help? Call us today!

