

TK4W Series

Dimensions (mm):

- Overall width: 64.5
- Overall height: 91.5
- Terminal pitch: 6
- Terminal width: 1.5
- Terminal height: 48
- Terminal depth: 44.6
- Terminal width: 21.8
- Terminal depth: 6.2
- Terminal width: 48.4
- Terminal height: 41.5
- Terminal width: 18
- Terminal height: 22
- Terminal width: 9.8
- Terminal height: 22.5
- Terminal width: 70
- Terminal height: 68.5
- Terminal width: 3
- Terminal height: 64
- Terminal width: 13
- Terminal width: 47.2
- Terminal height: 91.5
- Terminal width: 4
- Terminal height: 86
- Terminal width: 13
- Terminal width: 94
- Terminal height: 91.5
- Terminal width: 3
- Terminal height: 86

Terminal cover (sold separately)

- TK4N COVER (48×24mm)
- RSA-COVER (48×48mm)
- RHA-COVER (48×96mm, 96×48mm)
- RLA-COVER (96×96mm)

※TK4N COVER is accessory.

Panel cut-out

Model	Size	A	B	C	D
TK4N	55	37	45 ^{+0.6} ₋₀	22.2 ^{+0.1} ₋₀	
TK4S	65	65	45 ^{+0.6} ₋₀	45 ^{+0.6} ₋₀	
TK4S (P)	65	65	45 ^{+0.6} ₋₀	45 ^{+0.6} ₋₀	
TK4M	90	90	68 ^{+0.7} ₋₀	68 ^{+0.7} ₋₀	
TK4H	65	115	45 ^{+0.6} ₋₀	92 ^{+0.8} ₋₀	
TK4W	115	65	92 ^{+0.8} ₋₀	45 ^{+0.6} ₋₀	
TK4L	115	115	92 ^{+0.8} ₋₀	92 ^{+0.8} ₋₀	

(unit: mm)

The diagram illustrates the parameter setting sequence for the device, starting from the RUN mode. The process involves pressing the **MODE** key for 2 seconds to enter the setting mode, then pressing the **PR55** key (or **PR5** key) to move between parameter groups. The sequence continues through various parameter groups (PR1 to PR5) and sub-parameters, eventually leading to the **SV** (Set Value) screen. The **SV** screen displays the set value, which is automatically saved after 5 seconds. The diagram also shows the **MODE** key being used to return to the RUN mode or to move between parameter groups.

The diagram includes the following notes:

- ※1. **PR55** parameter will be displayed only when password is set. It is not displayed when purchasing the unit since default password is set to 0000. If password is not valid, the screen will be shifted to password code required window. Press any key among **PR55**, **PR5**, **PR55** to return to password entering window. Press **MODE** key to return to RUN mode. In case you forget password, contact Autonics after checking password code.
- ※2. **TK4N/S/SP** do not have **A/M** key. **MODE** key replaces **A/M** key.
- ※3. It is displayed when setting user parameter group in the integrated device management program (DAQMaster).

The diagram also shows the following parameter groups and their sub-parameters:

- PR1** (Control output RUN/STOP, Multi SV Number, Heater current monitoring, Alarm output1 low-limit set value, Alarm output1 high-limit set value, Alarm output2 low-limit set value, Alarm output2 high-limit set value, Alarm output3 low-limit set value, Alarm output3 high-limit set value, SV-0 set value, SV-1 set value, SV-2 set value, SV-3 set value)
- PR2** (Auto-tuning RUN/STOP, Heating proportional band, Cooling proportional band, Heating integral time, Cooling integral time, Heating derivative time, Cooling derivative time, Dead overlap band, Manual reset, Heating hysteresis, Cooling hysteresis, Heating OFF offset, Cooling OFF offset, MV low-limit, MV high-limit, RAMP-up change rate, RAMP-down change rate, RAMP time)
- PR3** (Input type, Sensor temperature unit, Analog low-limit input value, Analog high-limit input value, Scaling decimal point, Low-limit scale value, High-limit scale value, Display unit, Input correction, Input digital filter, SV low-limit, SV high-limit, Control output operation mode, Control type, Auto-tuning mode, OUT1 control output selection, OUT1 SSR drive output type, OUT1 current output range, OUT2 control output selection, OUT2 current output range, Heating control time, Cooling control time)
- PR4** (Alarm output1 operation mode, Alarm output1 hysteresis, Alarm1 N.O./N.C., Alarm1 ON delay time, Alarm1 OFF delay time, Alarm output2 operation mode, Alarm output2 hysteresis, Alarm2 N.O./N.C., Alarm2 ON delay time, Alarm2 OFF delay time, Alarm output3 operation mode, Alarm output3 hysteresis, Alarm3 N.O./N.C., Alarm3 ON delay time, Alarm3 OFF delay time, LBA time, LBA band, Trans. output 1 low-limit value, Trans. output 1 high-limit value, Trans. output 2 low-limit value, Trans. output 2 high-limit value, Comm. address, Comm. speed, Comm. parity bit, Comm. stop bit, Comm. response waiting time, Comm. write)
- PR5** (Multi SV, Digital input key, DI-1 input terminal function, DI-2 input terminal function, Manual control, initial MV, Manual control, preset MV, Sensor error, Control stop, MV, Control stop, alarm output, User level, SV setting lock, Parameter 1group lock, Parameter 2group lock, Parameter 3group lock, Parameter 4group lock, Parameter 5group lock, Password setting)

The diagram also shows the **MODE** key being used to return to the RUN mode or to move between parameter groups.

※1: C (TT): Same temperature sensor as former W5 (TT)
※2: G (TT): Same temperature sensor as former W (TT)

■ Parameter Reset

※Condition of re-applied standby sequence for standby sequence 1, alarm latch and standby sequence 1: Power ON
Condition of re-applied standby sequence for standby sequence 2, alarm latch and standby sequence 2: Power ON,
changing set temperature, alarm temperature [R_{L1}, R_{L2}] or alarm operation [R_{L1} - 1, R_{L2} - 2], switching STOP mode to RUN mode.

- Photoelectric Sensors
- Fiber Optic Sensors
- Door Sensors
- Door Side Sensors
- Area Sensors
- Proximity Sensors
- Pressure Sensors
- Rotary Encoders
- Connector/Socket
- Switching Mode Power Supplies
- Control Switches/Lamp Drivers
- I/O Terminal Blocks & Cables
- Stepper Motors/Drivers/Motion Controllers
- Graphic/Logic Panels
- Field Network Devices
- Laser Marking System (Fiber, CO₂, Nd: YAG)
- Laser Welding/Cutting System
- Temperature Controllers
- Temperature/Humidity Transducers
- SSRs/Power Controllers
- Counters
- Timers
- Panel Meters
- Tachometer/Pulse (Rate) Meters
- Display Units
- Sensor Controllers