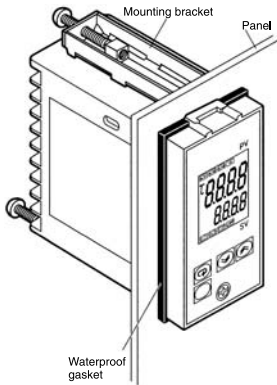


**Bulletin 900-TC8
Panel Mounting**

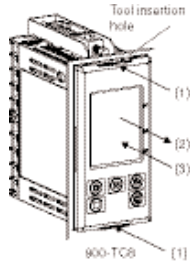
1. Insert the Bulletin 900-TC8 into the mounting hole in the panel from the front (panel thickness:1 to 8 mm). Ensure the waterproof gasket is in place if this is a UL Type 4X enclosure.
2. Push the mounting bracket along the Bulletin 900-TC8 body from the rear terminals up to the panel, and secure it temporarily.
3. Tighten the screw on each mounting bracket alternately until the ratchet stops tightening.



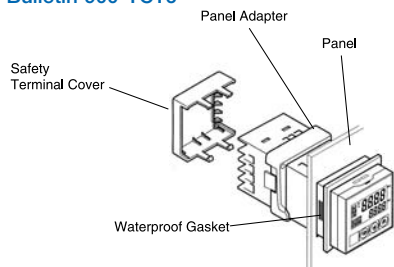
Bulletin 900-TC8

Removing the Unit from its Case

1. Insert a flat-blade screwdriver into the two tool insertion holes (one on the top and one on the bottom) to release the hooks.
2. Insert the flat-blade screwdriver in the gap between the front panel and rear case (two on the top and two on the bottom), and use it to pry and pull out the front panel slightly. Then, pull out on the front panel gripping both sides. Be sure not to impose excessive force on the panel.
3. When inserting the body of the Temperature Controller into the case, make sure the printed circuit boards are parallel to each other, make sure that the sealing rubber is in place, and press the 900-TC8 toward the rear case until it snaps into position. While pressing the 900-TC8 into place, press down on the hooks on the top and bottom surfaces of the rear case so that the hooks securely lock in place. Make sure that electronic components do not come into contact with the case.



Bulletin 900-TC16



Mounting the Bulletin 900-TC16 in a Panel/Enclosure

1. Insert the Bulletin 900-TC16 into the mounting hole in the panel (panel thickness:1 to 8 mm). Ensure the waterproof gasket is in place if this is a IP66 UL Type 4X enclosure.
2. Push the panel adapter along the Bulletin 900-TC16 body from the rear terminals up to the panel, and secure it temporarily.
3. Tighten the two screws on the adapter. When tightening the two screws, tighten them alternately, keeping the torque to 0.29... 0.39 N•m (2.57...3.45 lb•in).

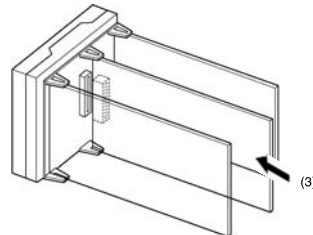
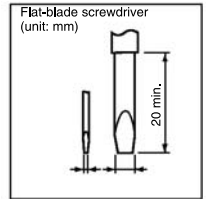
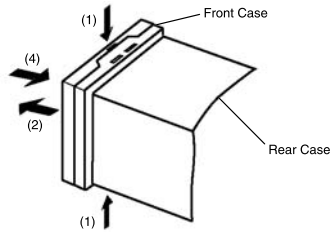
Attaching the Safety Terminal Cover

Make sure that the UP arrow mark is facing up, and then fit the terminal cover into the holes on the top and bottom of the controller. All Bulletin 900-TC16 controllers are provided with a terminal cover.

Installing the Option Units

If communications, event input, or heater burnout functions are required, mount the applicable option unit into the controller. The heater burnout function is supported on either the 900-TC16EIM or 900-TC16COM units. One option unit (max.) per controller.

Assembly Directions



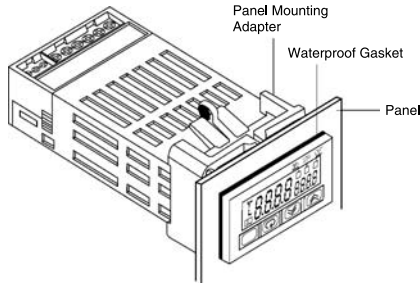
1. Insert the tools (see drawing above) into the slots (one on the top and one on the bottom) and release the case hooks.
2. Insert the tool in the space between the front and rear case selections and slightly pull out the front case. Hold the top and bottom of the front case and pull it toward yourself to remove it.
3. Mount the option unit in the center position. Match the upper and lower option unit (board) retaining claws with the connection points and insert/lock the option unit in place.
4. Before inserting the unit into the panel/enclosure, confirm that the waterproof gasket is in place. Insert the front case into the rear case until you hear a click. When inserting the front case, press down the hooks on the top and bottom of the rear case so that they firmly hook together. Make sure that electronic parts do not come in contact with the case.

Installation, Continued

Bulletin 900-TC32

Panel Mounting

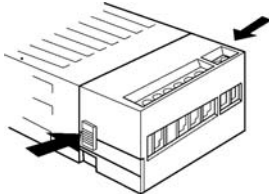
1. Insert the Bulletin 900-TC32 into the mounting hole in the panel from the front. Ensure the waterproof gasket is in place if this is a IP66 UL Type 4X enclosure.
2. Push the panel mounting adapter along the Bulletin 900-TC32 body from the rear terminals up to the panel, and secure it temporarily.
3. Tighten the two screws on the adapter. When tightening the two screws, tighten them alternately, keeping the torque to within approximately 0.29...0.39 N•m (2.57...3.45 lb•in).



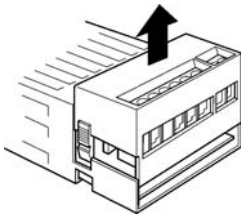
Removing and Attaching the Wiring Terminal Cover Plate

A damaged Bulletin 900-TC32 can quickly be replaced by removing the field terminal plate.

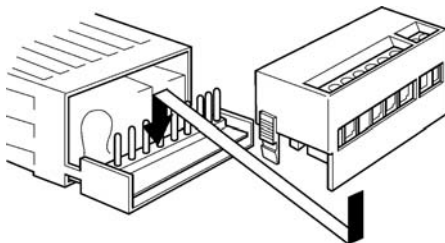
1. Press in firmly on the fasteners at both sides of the terminals to unlock the terminal plate and pull it upwards.



2. Remove the terminal plate with the field wires attached.



3. Before you replace/insert the terminal plate on the replacement Bulletin 900-TC32, make sure that the pins match the positions of the holes in the terminal plate, and press it into place on the controller.



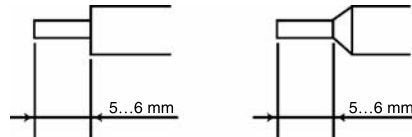
Wiring Precautions

Bulletin 900-TC32

Connect the terminals as specified below.

Terminal No.	Cables	Pin Terminals
1...6	AWG 24...14	2.1 mm dia. max.
7...9	AWG 28...22	1.3 mm dia. max.

The exposed current-carrying part to be inserted into terminals must be 5...6 mm.



Electrical wire

Pin terminal

Tighten the terminal screws to the torque specified below.

Terminal No.	Screw	Maximum Tightening Torque
1...6	M2.6	0.23...0.25 N•m (2.04...2.21 lb•in)
7...9	M2	0.12...0.14 N•m (1.06...1.24 lb•in)