

# BUILT-IN THERMOSTAT INSTALLATION

## T12 SERIES

INSTALLATION ON TOP LEFT SIDE - POWER ON LEFT SIDE



### WARNING

Before installing and operating this product, the user and/or installer must read, understand and follow these instructions and keep them handy for future reference. If these instructions are not followed, the warranty will be considered null and void and the manufacturer deems no further responsibility for this product. The following instructions must be adhered to in order to avoid personal and serious injuries, property damages and potentially fatal electric shocks. Switch off the power at the circuit breaker/fuse before installing, repairing and cleaning the unit. Make sure the unit is appropriate for the intended use (if needed, refer to the product catalog or a representative).

1. Remove the front cover and the junction box cover.
2. Install the two black electrical conductors on the thermostat using the two screws provided in the kit. FIG. 1
3. Insert the black insulation shrink sleeves on the wires coming off of the thermostat including the screws and heat them with a heat source. FIG. 2
4. Insert the thermostat in the existing holes on top of the junction box and install with the appropriate screws supplied in the kit. FIG. 3
5. Using the white strapping supplied in the kit, install the thermostat bulb and affix it to the housing of the unit using a screw. FIG. 4
6. Connect the element wire to one of the thermostat wires using the appropriate wire nut. FIG. 5
7. Connect the wire coming out of the wireway to one of the power wires and the second thermostat wire to the other power wire using the appropriate wire nuts, according to the wiring diagram below.
8. Re-install the junction box cover and the front cover ensuring that the wires are properly placed.



FIG. 1



FIG. 2



FIG. 3



FIG. 4

### INSTALLATION ON FRONT LEFT SIDE - POWER ON LEFT SIDE

Repeat all steps for electrical connections except for step #4. See FIG. 6



FIG. 5

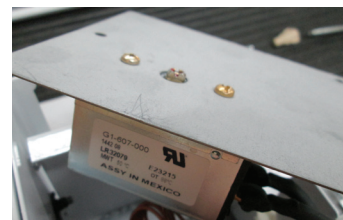
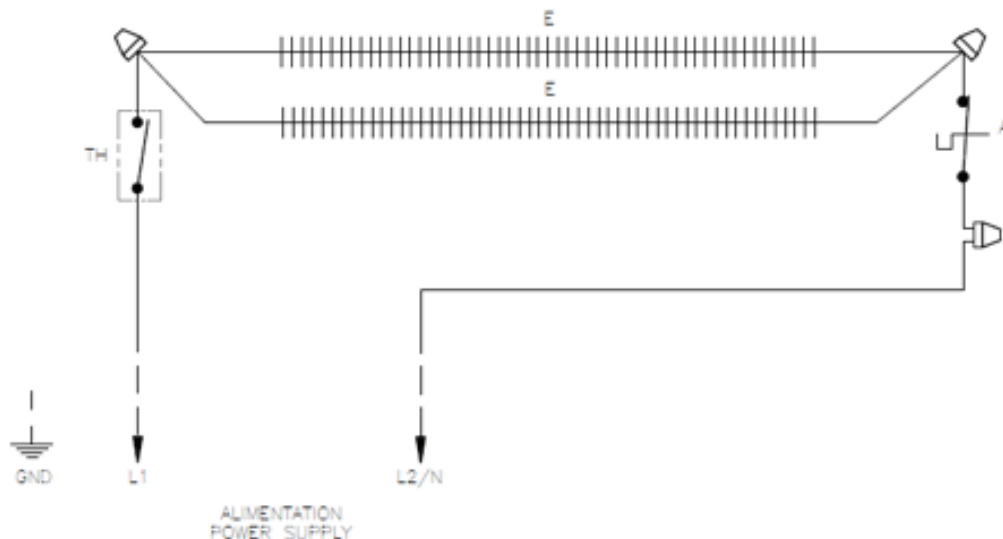


FIG. 6



# BUILT-IN THERMOSTAT INSTALLATION

## T12 SERIES

INSTALLATION ON TOP LEFT SIDE - POWER ON RIGHT SIDE



### WARNING

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1. Remove the front cover and the junction box cover.
2. Install the two black electrical conductors on the thermostat using the two screws provided in the kit. FIG. 1
3. Insert the black insulation shrink sleeves on the wires coming off of the thermostat including the screws and heat them with a heat source. FIG. 2
4. Insert the thermostat in the existing holes on top of the junction box and install with the appropriate screws supplied in the kit. FIG. 3
5. Using the white strapping supplied in the kit, insert the thermostat bulb and affix it to the housing of the unit using a screw. FIG. 4
6. Connect the element wire to one of the thermostat wires using the appropriate wire nut. FIG. 5
7. Connect the wire coming from the wireway to the other thermostat wire. FIG. 6
8. Connect the unit according to the wiring diagram.
9. Re-install the junction box cover and the front cover ensuring that the wires are properly placed.



FIG. 1



FIG. 2



FIG. 3



FIG. 4

### INSTALLATION ON FRONT LEFT SIDE - POWER ON RIGHT SIDE

Repeat all steps for electrical connections except for step #4. See FIG. 7

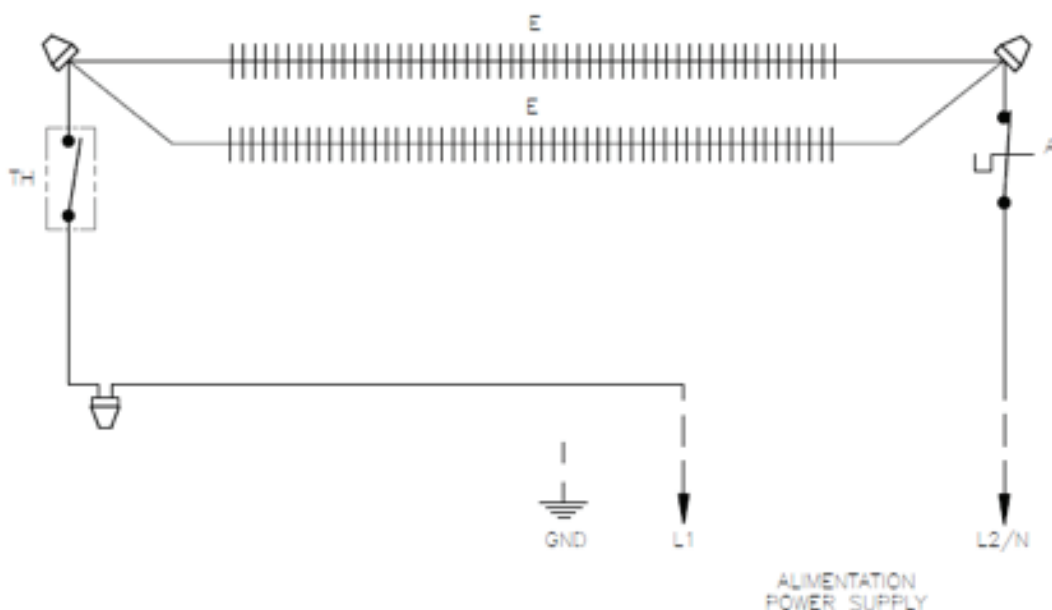


FIG. 5



FIG. 6



FIG. 7

# BUILT-IN THERMOSTAT INSTALLATION

## T12 SERIES

INSTALLATION ON TOP RIGHT SIDE - POWER ON RIGHT SIDE



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1. Remove the front cover and the junction box cover.
2. Install the two black electrical conductors on the thermostat using the two screws provided in the kit. FIG. 1
3. Insert the black insulation shrink sleeves on the wires coming off of the thermostat including the screws and heat them with a heat source. FIG. 2
4. Insert the thermostat in the existing holes on top of the junction box and install with the appropriate screws supplied in the kit. FIG. 3
5. Using the white strapping supplied in the kit, insert the thermostat bulb and affix it to the housing of the unit using a screw. FIG. 4
6. Connect the wire from the wireway to one of the thermostat wires using the appropriate wire nut. FIG. 5
7. Connect the second thermostat wire to a power wire and the thermal protection wire to the other power wire using the appropriate wire nuts, according to the wiring diagram below.
8. Re-install the junction box cover and the front cover ensuring that the wires are properly placed.



FIG. 1



FIG. 2



FIG. 3



FIG. 4

### INSTALLATION ON FRONT RIGHT SIDE - POWER ON RIGHT SIDE

Repeat all steps for electrical connections except for step #4. See FIG. 6

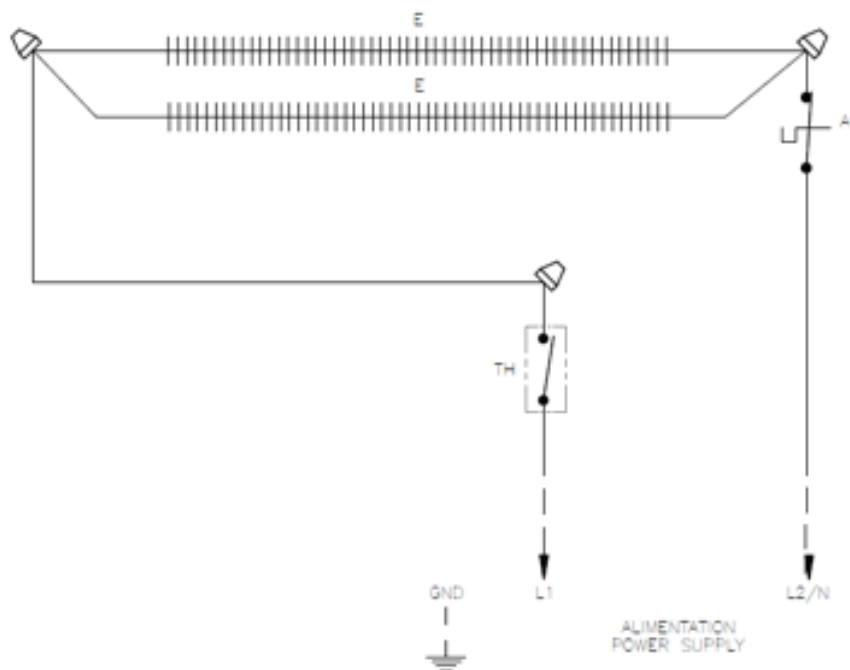


FIG. 5

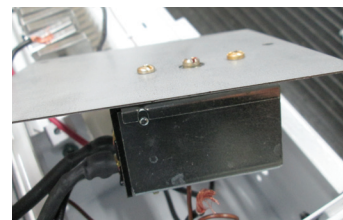


FIG. 6



# BUILT-IN THERMOSTAT INSTALLATION

## T12 SERIES

INSTALLATION ON TOP RIGHT SIDE - POWER ON LEFT SIDE



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1. Remove the front cover and the junction box cover.
2. Install the two black electrical conductors on the thermostat using the two screws provided in the kit. FIG. 1
3. Insert the black insulation shrink sleeves on the wires coming off of the thermostat including the screws and heat them with a heat source. FIG. 2
4. Insert the thermostat in the existing holes on top of the junction box and install with the appropriate screws supplied in the kit. FIG. 3
5. Using the white strapping supplied in the kit, insert the thermostat bulb and affix it to the housing of the unit using a screw. FIG. 4
6. Connect the wire from the wireway to one of the thermostat wires using the appropriate wire nut. FIG. 5
7. Connect the wire coming from the thermal protection to the other thermostat wire. FIG. 6
8. Connect the unit according to the wiring diagram.
9. Re-install the junction box cover and the front cover ensuring that the wires are properly placed.



FIG. 1



FIG. 2



FIG. 3



FIG. 4

### INSTALLATION ON FRONT RIGHT SIDE - POWER ON LEFT SIDE

Repeat all steps for electrical connections except for step #4. See FIG. 7

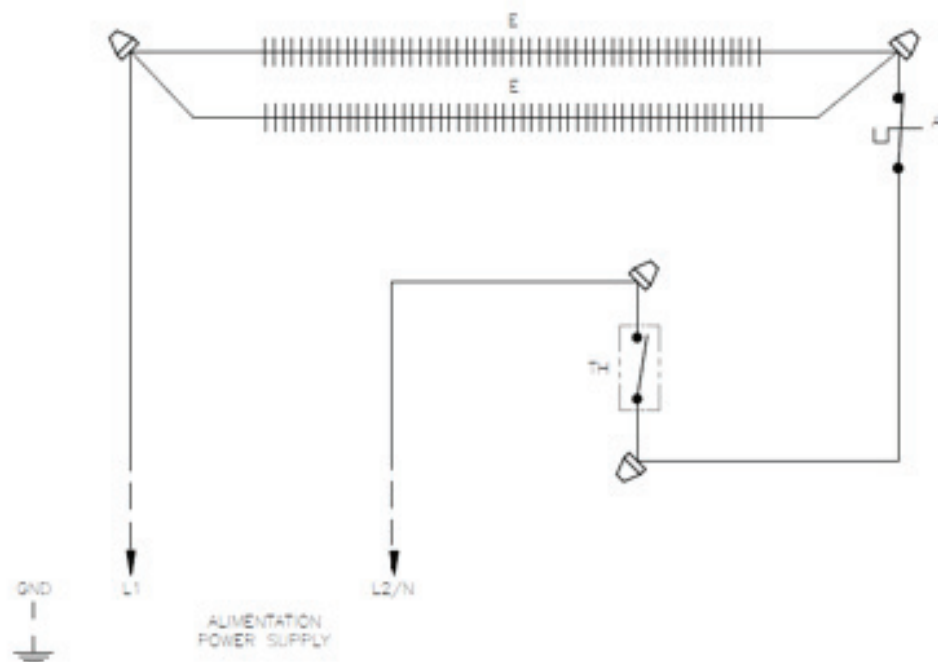


FIG. 5



FIG. 6

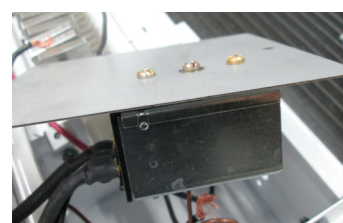


FIG. 7

# BUILT-IN THERMOSTAT INSTALLATION

## T22 SERIES

INSTALLATION ON TOP LEFT SIDE - POWER ON LEFT SIDE



### WARNING

Before installing and operating this product, the user and/or installer must read, understand and follow these instructions and keep them handy for future reference. If these instructions are not followed, the warranty will be considered null and void and the manufacturer deems no further responsibility for this product. The following instructions must be adhered to in order to avoid personal and serious injuries, property damages and potentially fatal electric shocks. Switch off the power at the circuit breaker/fuse before installing, repairing and cleaning the unit. Make sure the unit is appropriate for the intended use (if needed, refer to the product catalog or a representative).

1. Remove the front cover and junction box cover.
2. Install the two black conductors on the right side of the thermostat with the two screws provided in the kit. Install the two red conductors on the left side of the thermostat with two screws provided in the kit. FIG. 1
3. Insert the black insulation shrink sleeves on the two (2) central wires coming off of the thermostat including the screws and heat them with a heat source. FIG. 2
4. Overlap the plastic separator on the thermostat then insert the thermostat in the existing holes on top of the junction box and install with the appropriate screws supplied in the kit. FIG. 3
5. Using the white strapping supplied in the kit, insert the thermostat bulb and affix it to the housing of the unit using a screw. FIG. 4
6. Connect the heating element wire to one of the red wires of the thermostat by using an appropriate wire nut. FIG. 5
7. Connect the wire coming out of the wireway to the black wire of the thermostat using the appropriate wire nut. FIG. 6
8. Connect the other black wire of the thermostat to (L1) power wire and the other red wire of the thermostat to the supply wire (L2/N), according to the wiring diagram
9. Re-install the junction box cover and the front cover ensuring that the wires are properly placed.

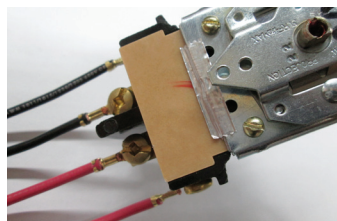


FIG. 1

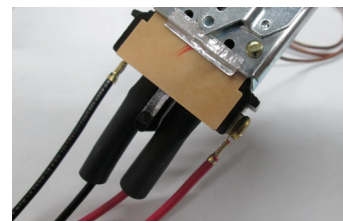


FIG. 2



FIG. 3



FIG. 4

### INSTALLATION ON FRONT LEFT SIDE - POWER ON LEFT SIDE

Repeat all steps for electrical connections except for step #4. See FIG. 7

**Note:** DO NOT FORGET TO REMOVE THE COVER ON THE PLASTIC SEPARATOR

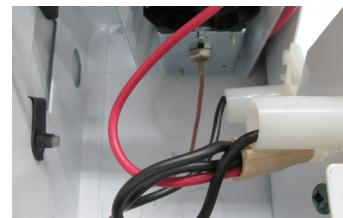
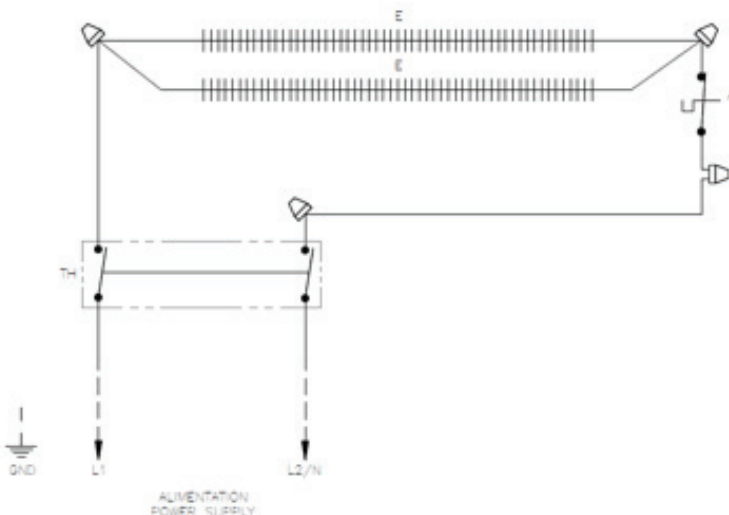


FIG. 5

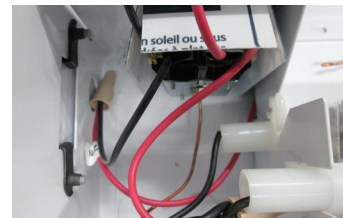


FIG. 6



FIG. 7

# BUILT-IN THERMOSTAT INSTALLATION

## T22 SERIES

INSTALLATION ON TOP LEFT SIDE - POWER ON RIGHT SIDE



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Before installing and operating this product, the user and/or installer must read, understand and follow these instructions and keep them handy for future reference. If these instructions are not followed, the warranty will be considered null and void and the manufacturer deems no further responsibility for this product. The following instructions must be adhered to in order to avoid personal and serious injuries, property damages and potentially fatal electric shocks. Switch off the power at the circuit breaker/fuse before installing, repairing and cleaning the unit. Make sure the unit is appropriate for the intended use (if needed, refer to the product catalog or a representative).

1. Remove the front cover and junction box cover.
2. Install the two black conductors on the right side of the thermostat with the two screws provided in the kit. Install the two red conductors on the left side of the thermostat with two screws supplied in the kit. FIG. 1
3. Insert the black insulation shrink sleeves on the two (2) central wires coming off of the thermostat including the screws and heat them with a heat source. FIG. 2
4. Overlap the plastic separator on the thermostat then insert the thermostat in the existing holes on the top of the junction box and install with the appropriate screws supplied in the kit. FIG. 3
5. Using the white strapping supplied in the kit, insert the thermostat bulb and affix it to the housing of the unit using a screw. FIG. 4
6. Connect the wire coming out of the wireway to the black wire of the thermostat using the appropriate wire nut. FIG. 5
7. Connect the heating element wire to the red wire of the thermostat by using an appropriate wire nut. FIG. 6
8. Pass 2 wires (TEW105) in the wireway. FIG. 7
9. Connect one of the (TEW105) wires to a red wire of the thermostat, FIG.8 and connect the other side of the wire to the (L1) power wire. FIG.9
10. Connect the second (TEW105) wire to the other black wire of the thermostat, FIG.10 and connect the other side of this (TEW105) wire to a power wire, FIG.11 according to the wiring diagram.
11. Re-install the junction box covers and the front cover ensuring that the wires are properly placed.

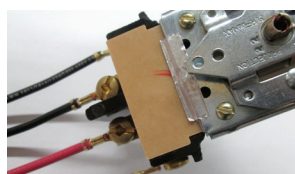


FIG. 1

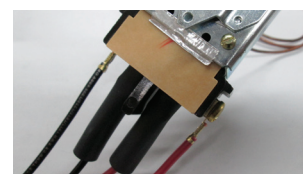


FIG. 2



FIG. 3



FIG. 4



FIG. 5



FIG. 6



FIG. 7



FIG. 8



FIG. 9



FIG. 10



FIG. 11

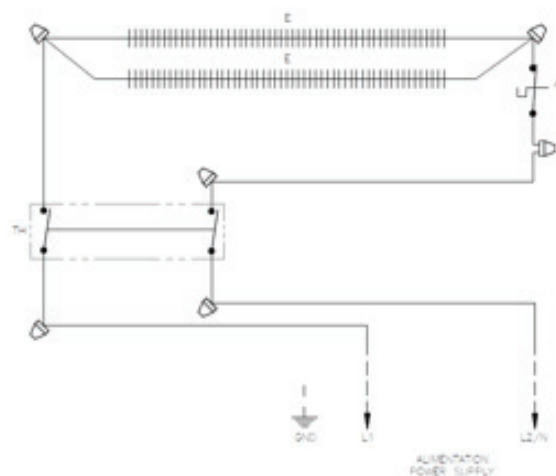


FIG. 12

### INSTALLATION ON FRONT LEFT SIDE - POWER ON RIGHT SIDE

Repeat all steps for electrical connections except for step #4. See FIG. 12

**Note:** DO NOT FORGET TO REMOVE THE COVER ON THE PLASTIC SEPARATOR





# BUILT-IN THERMOSTAT INSTALLATION

## T22 SERIES

INSTALLATION ON TOP RIGHT SIDE - POWER ON RIGHT SIDE



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1. Remove the front cover and junction box cover.
2. Install the two black conductors on the right side of the thermostat with the two screws provided in the kit. Install the two red conductors on the left side of the thermostat with two screws supplied in the kit. FIG. 1
3. Insert the black insulation shrink sleeves on the two (2) central wires coming off of the thermostat including the screws and heat them with a heat source. FIG. 2
4. Overlap the plastic separator on the thermostat then insert the thermostat in the existing holes on top of the junction box and install with the appropriate screws supplied in the kit. FIG. 3
5. Using the white strapping supplied in the kit, insert the thermostat bulb and affix it to the housing of the unit using a screw. FIG. 4
6. Connect the wire coming out of the wireway to the red wire of the thermostat using the appropriate wire nut. FIG. 5
7. Connect the thermal protection wire to the black wire of the thermostat. FIG. 6
8. Connect the other black thermostat wire to one of the power wires and the other red thermostat wire to the other power wire, according to the wiring diagram below
9. Re-install the junction box cover and the front cover ensuring that the wires are properly placed.

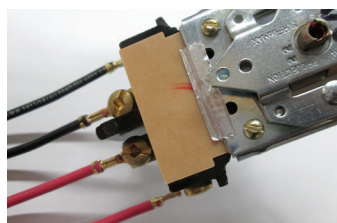


FIG. 1

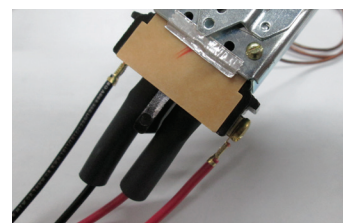


FIG. 2



FIG. 3



FIG. 4

### INSTALLATION ON FRONT RIGHT SIDE - POWER ON RIGHT SIDE

Repeat all steps for electrical connections except for step #4. See FIG. 7

**Note:** DO NOT FORGET TO REMOVE THE COVER ON THE PLASTIC SEPARATOR

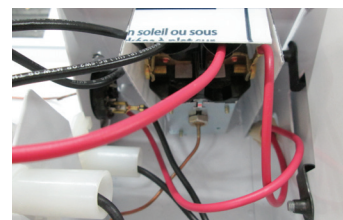
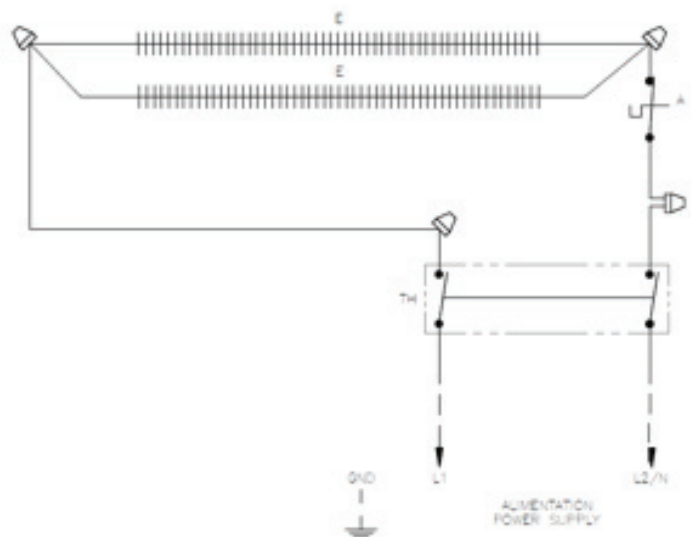


FIG. 5

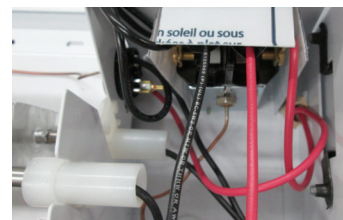


FIG. 6



FIG. 7

# BUILT-IN THERMOSTAT INSTALLATION

## T22 SERIES

INSTALLATION ON TOP RIGHTSIDE - POWER ON LEFT SIDE



### WARNING

Before installing and operating this product, the user and/or installer must read, understand and follow these instructions and keep them handy for future reference. If these instructions are not followed, the warranty will be considered null and void and the manufacturer deems no further responsibility for this product. The following instructions must be adhered to in order to avoid personal and serious injuries, property damages and potentially fatal electric shocks. Switch off the power at the circuit breaker/fuse before installing, repairing and cleaning the unit. Make sure the unit is appropriate for the intended use (if needed, refer to the product catalog or a representative).

1. Remove the front cover and junction box covers.
2. Install the two black conductors on the right side of the thermostat with the two screws provided in the kit. Install the two red conductors on the left side of the thermostat with two screws supplied in the kit. FIG. 1
3. Insert the black insulation shrink sleeves on the two (2) central wires coming off of the thermostat including the screws and heat them with a heat source. FIG. 2
4. Overlap the plastic separator on the thermostat then insert the thermostat in the existing holes on top of the junction box and install with the appropriate screws supplied in the kit. FIG. 3
5. Using the white strapping supplied in the kit, insert the thermostat bulb and affix it to the housing of the unit using a screw. FIG. 4
6. Connect the wire coming out of the wireway to the red wire of the thermostat using the appropriate wire nut. FIG. 5
7. Connect the black wire of the thermostat to the thermal protection wire by using an appropriate connector. FIG. 6
8. Pass 2 wires (TEW105) in the wireway. FIG. 7
9. Connect one of the (TEW105) wires to a black wire of the thermostat, FIG. 8 and connect the other side of the wire to a power wire. FIG. 9
10. Connect the second (TEW105) wire to the other red thermostat wire, FIG. 10 and the other side of this (TEW105) wire to a power wire, FIG.11 according to the wiring diagram.
11. Re-install the junction box covers and the front cover ensuring that the wires are properly placed.

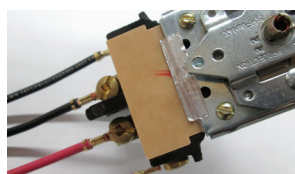


FIG. 1

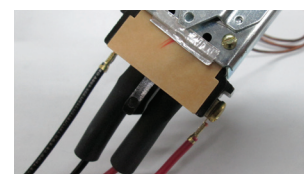


FIG. 2



FIG. 3



FIG. 4



FIG. 5



FIG. 6



FIG. 7

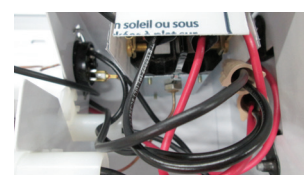


FIG. 8



FIG. 9



FIG.10



FIG. 11

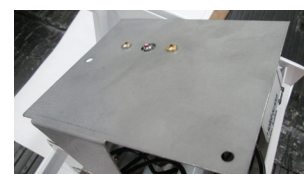


FIG. 12

### INSTALLATION ON FRONT RIGHT SIDE - POWER ON LEFT SIDE

Repeat all steps for electrical connections except for step #4. See FIG. 12

**Note:** DO NOT FORGET TO REMOVE THE COVER ON THE PLASTIC SEPARATOR

