



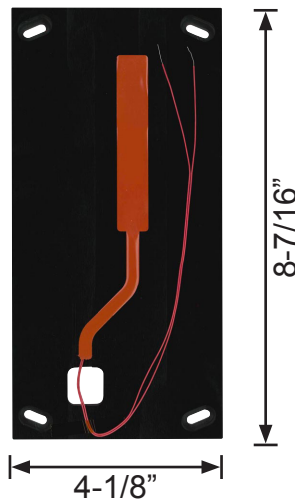
IS-HTR

Heater and Thermostat for IS Series Door Stations

-INSTRUCTIONS-

The IS-HTR is a heater plate compatible with all IS series door stations (except IS-SS-2G). This heater will allow you to use the IS door stations in environments with extreme cold temperatures (-40°F/C). The IS-HTR will mount to the back of the door station using the existing mounting hardware.

Metal side facing wall



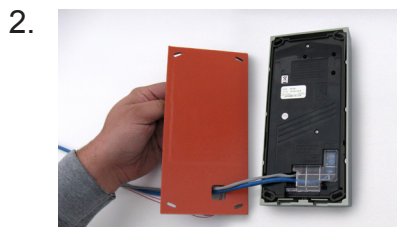
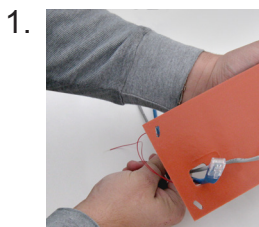
Gasket side facing station



INSTALLATION: Surface mount unit

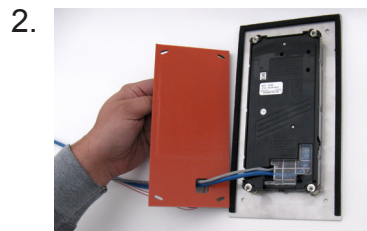
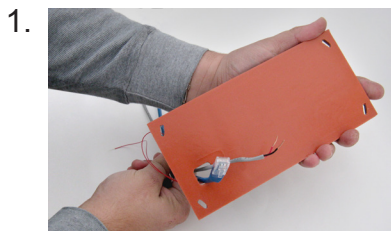
1. Ensure that the conformal side (orange) of IS-HTR is facing the door station. Route all door station wiring through the wiring provision opening on the IS-HTR.
2. Connect the door station wiring to the unit and connect the IS-HTR wires (flying leads) to a power source, 24V AC/DC.
3. Mount the IS-HTR and surface mount door station as one, utilizing the door station's mounting hardware.

Note: Ensure that there are no gaps between the door station and heater when installed.



INSTALLATION: Flush mount unit

1. Ensure that the conformal side (orange) of IS-HTR is facing the door station. Route all door station wiring through the wiring provision opening on the IS-HTR.
2. Connect the door station wiring to the unit and connect the IS-HTR wires (flying leads) to a power source, 24V AC/DC.
3. Remove the 4 nuts and washers holding the plastic chassis to the metal front panel. Place the IS-HTR as shown and reuse the nuts and washers to secure the IS-HTR to the door station.
Note: Ensure that there are no gaps between the door station and heater when installed.
4. Mount the door station and heater together to the desired backbox using the supplied hardware.



Note: When using the IS-HTR with IS series emergency stations, the external relay board wires should not be run through the IS-HTR.

SPECIFICATIONS:

Temperature: -40°F to 140°F (-40°C to 60°C)
 Heater Element: 23.04Ω (Resistive, Non-Inductive Pattern). 25 Watts (REF) at 24V
 Thermostatically controlled
 Thermostat Activation: On at 59°F (15°C), Off at 77°F (25°C)
 Power: 24V AC/DC (Recommend Aiphone PS-2420UL)
 Wiring distances (taking into account a maximum allowable voltage drop of 10%):

Wire/ Distance Reference table:

	10AWG	11AWG	14AWG	16AWG	18AWG	22AWG
24V (25W)	1150'	725'	455'	285'	180'	70'

Special Precautions:

Installation and servicing should only be done by qualified service personnel and conform to all local building and electrical codes.

When a single power source is used for both the sub station and heater module, the sub station power consumption must be taken into consideration when determining the wire gauge.

Application Suggestion:

Though not a requirement, it is recommended that a site-wide temperature controller be used in conjunction with the main power source(s) for the heater(s) utilized. Ideally this would prevent unnecessary heater activation during the summer months where heater operation is not necessary (but temperatures are below the thermostat set point of 15°C). Additionally, the reduced operation of the thermostat would also increase the service lifespan of the heater module itself.