ISIMET
LAIP

Independent Wall Panel

Installation, Operations, Start-up and Maintenance Instructions

Application:
The LAIP Independent Wall Panel is intended for use with ISIMET Control Units that are remotely located away from the area in which the control of services or equipment is desired. These panels may be connected via control cabling to a variety of ISIMET Controllers including the Utility Controller, Shop Controller, RA Controllers, LA, FLA, ad KHC units.

Control Panel - Stainless Steel 16 gauge
Wall Box Enclosure – 16 gauge gray powder coat sheet metal.

Screw ON Wall Panel
6.5 X 8.5 Wall Panel for Series 4000 Units
W/ 5 X 7 X 2 Wall Box
7.5 X 13.75 Wall Panel W/ Three or fewer Switches for Series 5000 Units
W/ 6 X 12.25 X 2 Wall Box
7.5 X 15.75 Wall Panel W/ Four or more Switches for Series 5000 Units
W/ 6 X 14.25 X 2 Wall Box
Hinged Wall Panel
9.875 X 16 Wall Panel W/ Three or fewer Switches for Series 5000 Units
W/ 6 X 12.25 X 2 Wall Box
9.875 X 18 Wall Panel W/ Four or more Switches for Series 5000 Units
W/ 6 X 14.25 X 2 Wall Box

Cables:
9 Conductor Cable (Two or fewer Switches W/ Keyed and Panic Switches)
15 Conductor Cable (Three Switches W/ Keyed and Panic Switches)

NOTE: Panic with more that Three Switches require combinations of 9 & 15 Conductor Cables. Consult the wiring chart within the wall box to verify configurations.

Independent Wall Panel
Model Number Description

LAIP - 6 - 2 - 1 - 3 - K

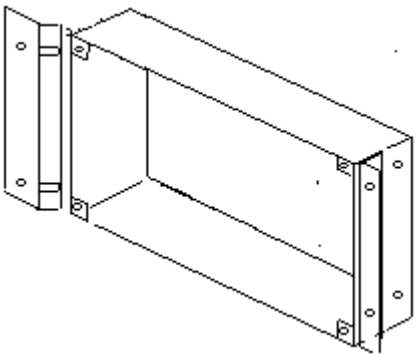
Enclosure Series
4 - 6.5 X 8.5 Independent Panel
5 - 7.5 X 13.75 or 15.75 Panel
6 - Hinged SS Panel

Mounting Style
1 - Casework
2 - Flush Mount

Panic Options
0 - Panic Button (Omitted)
1 - Panic Button (Standard)

Number of Switches
1 - Single Switch
2 - Dual Switch
3 - Three Switch
4 - Four Switch
5 - Five Switch
6 - Six Switch

Panel Options
K - Keyed Resets
P - Push Button Reset
C - Clear Cover over Panic Button



Mounting Instructions: Flush Wall Mount

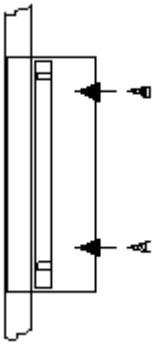
Two mounting flanges with screws are provided with the unit. Attach flanges as shown. Mount the Flanges to the Wall Box so that when fastening these flanges to the face of two wall studs the face of the Wall Box will be flush with the finished wall surface. After mounting unit, protect interior of box from construction debris.

CAUTION: Provided mounting hardware must be used.

Mounting Instructions: Casework Mount

Two mounting flanges with screws are provided with unit. Holes are slotted to permit adjustments for variations in cabinet material thickness. Attach flanges as shown in figure above. Make cutout in desired location in casework to permit wall unit to pass easily into opening. From within the cabinet fit into opening and fasten unit to back of casework.
Face of wall box should be even with face of cabinet. After mounting unit, protect interior of box from construction debris.

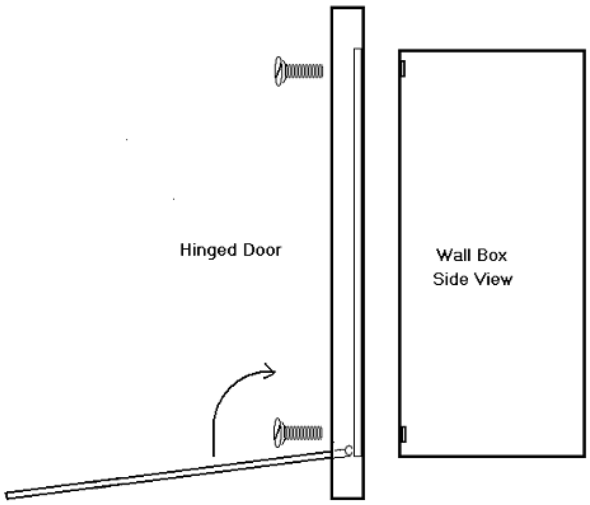
CAUTION: Provided mounting hardware must be used.



Mounting the Screw On Wall Panel

- Verify that Unit is wired with Interface PCB in place.
- Holding in one hand the Wall Panel in front of the box, plug the panel's cable into the PCB connector.
- Using a screwdriver, tighten the connector to the pcb.
- Holding panel in front of box, affix panel to box using four (4) 8-32 stainless screws
- Verify the Panel fits snug to the wall surface.

CAUTION! Do not install the panel until all wall finishes are complete.



Mounting the Hinged Wall Panel

- Verify that Unit is wired with junction box cover in place.
- With the Door open, position the Wall Panel over the Wall Box as shown.
- Holding panel in front of box, affix panel to box using four (4) 8-32 stainless screws
- Holding in one hand the Wall Panel in front of the box, plug the panel's cable into the PCB connector.
- Using a screwdriver, tighten the connector to the pcb.
- Close the panel and lock.

CAUTION! Do not install the panel until all wall finishes are complete.

Important!
All local codes must be followed when installing this unit and connecting the conduit to the service panel and making wiring connections. Do not install wiring or cable for integrated systems, remote panic assemblies or other interface wiring within conduit for either 24-vac control or 120-vac line voltage. Each wiring system including outputs should be housed in independent conduit and not bundled with wiring for other systems. Failure to comply with these wiring specifics may create transient voltage at the pc board and cause system malfunction and/or failure.

NOTE: Only qualified craftsmen licensed within the governing jurisdiction to perform the work associated with this installation should install and/or service this equipment.

Connecting the Control Cable(s) from the Controller to the Unit:

1. From the Controller, extend the cable(s) within the wall cavity and terminate within the wall box.
2. Cut the cable(s) if length is excessive.
3. After stripping back the outer shielding, strip the end each wire to approximately 0.50 inches.
4. Using a small screwdriver, connect each wire per color according to the chart mounted within the box to the interface PCB's terminal strip.
5. Verify that all connections are firm and that wire colors match the charts at the Controller and within this box.

Equipment Maintenance:

- The LAIP Panel should have annual inspections.
- **ISIMET** recommends that you periodically conduct a brief test of the system to verify that the switch(s) on the panel operate properly the output circuit(s) as intended.
- If examination of the unit indicates tampering, **ISIMET** recommends that you first review the installation and wiring portions of this manual prior to placing the unit in service.

If you have any questions regarding the operation and maintenance of the Utility Controller, please contact an **ISIMET** Service Representative.

The enclosure has a NEMA 1 rating. It is not intended for use in wet areas. Exercise caution to prevent exposure of the interior compartment of the enclosure to moisture. If moisture is present within the enclosure, **ISIMET** recommends that power be disconnected from the connected Controller until the source of the moisture is determined, and all moisture is removed from the compartment.

If the Unit fails to operate, **ISIMET** recommends that you check the power supply to the connected Controller. With the control switch of that unit in the ON position, LED Fuse 1 should illuminate. If not, check the service breaker. Check the inner connecting cable to verify that there are no breaks in the cable or damage to the plugs on the cable, and that the wiring of the cable matches the chart provided in both the Controller and this unit. Verify that connections are firm.

If the unit still does not function, contact ISIMET or your local Service Representative.

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