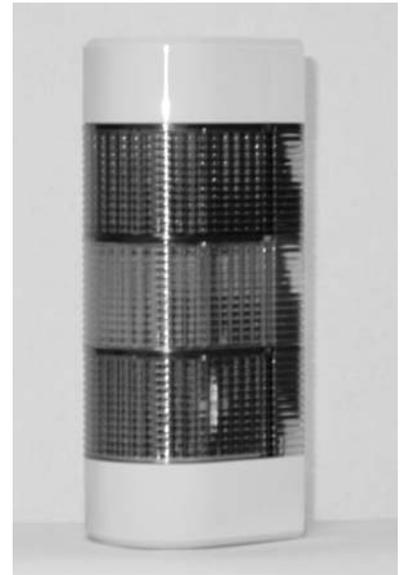*ISIMET*

Model # MLA-S-3-B-Y-G-A
Monitoring Light Array - Surface Unit

Installation Instructions

The Monitoring Light Array is a wall mounted light unit intended for use as a visual indicator that circuits of the Utility Controller system are active. The unit should be mounted conveniently on a wall at an elevation and location to permit all occupants to easily determine those services that are active. We recommend that the unit be mounted as high as reasonably feasible to avoid interference with occupants within the room.

Providing Wiring to the Unit:
The unit requires a common and one wire for each output circuit on the Utility Controller that is to be monitored. *ISIMET* recommends that two spare wires also be provided. Minimum recommended wire is 20 AWG. Extend wiring from the Utility Controller Enclosure to a field provide single gang box providing sufficient leads to make final connections to the unit.
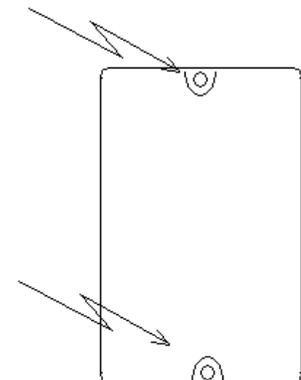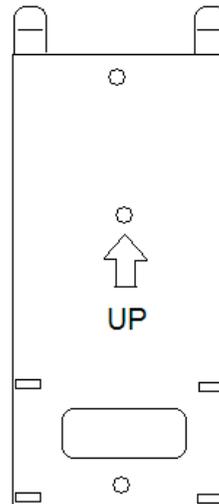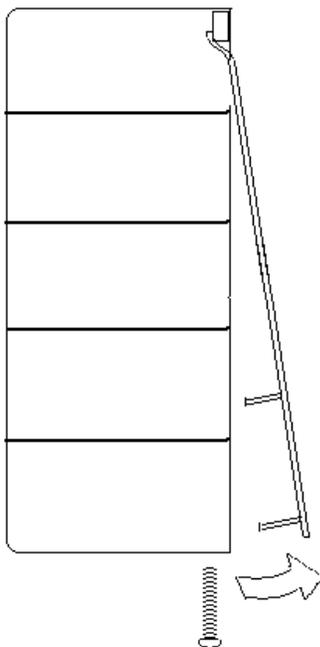
Installing the single gang box:
The Light Array will mount to a standard 3 5/16 pitch box. We recommend that the box be mounted so that the face of the box will be flush with the finished wall surface. The face of the box should be protected from construction debris.
CAUTION: We do not recommend the installation of this unit until all wall surfaces are finished and complete.

Step – by – Step Procedure to Install the Unit

Step 1: Removing mounting bracket from the unit.

Remove the two (2) screws located at the base of the unit. The bracket will lift off.

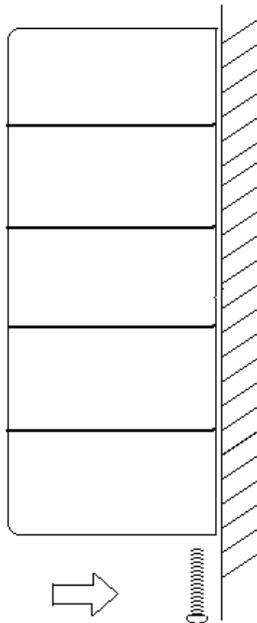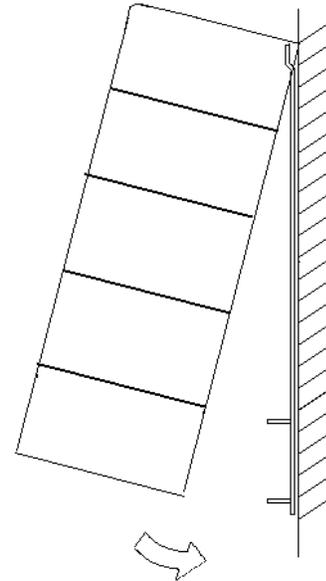**Step 2: Securing mounting bracket to the box.**

Using the two (2) provided 6-32 X 1" screws, attach the unit to the box. The lower two holes should be used to make attachment. Care should be taken to permit the wire leads previously field installed to pass freely though the opening in the bracket.

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Step 3: Making wiring connections in the box.

Remove excess wire leads from the unit. Connect wiring from the unit to the field wiring extending through the hole at the base of the bracket

Wire	Circuit	Common Use
Yellow	Common	
Blue	Circuit 1	Electric
Amber	Circuit 2	Nat. Gas
Green	Circuit 3	Water
Sky Blue	Buzzer	

Using the provided red crimp connectors, make each connection. After connection, thread the excess wiring through the bracket hole into the wall box.

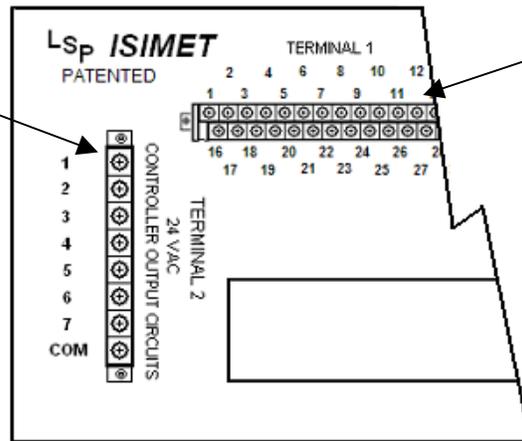**Step 4: Attaching the unit to the bracket.**

Hook the top of the unit onto the two top pins of the bracket and allow the unit to rest against the bracket and wall surface.

Re-insert the two screws into the bottom of the unit and secure it to the bracket.

Connect Sky Blue wire to Terminal 1 #12. Place two jumpers at JP07 on Printed Circuit Board

Connect wiring to Terminal 2

LS_P *ISIMET*
PATENTED

TERMINAL 1

1 – Blue
2 – Amber
3 – Green

COM - Yellow

CONTROLLER OUTPUT CIRCUITS
TERMINAL 2
24 VAC

Wiring the Unit to the Utility Controller:
Make connections to the Utility Controller's control panel at terminal 2. Corresponding wires from the Monitoring unit should connect in parallel to the output circuit post on the terminal. Connect the common wire to the COM post.

Caution! Do not connect any wiring device that generates a separate source of electricity to the terminal. Damage to the Utility Controller will occur.

> **Important!**
> **All local electrical codes must be followed when 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 should be housed in independent conduit and not bundled with wiring for other systems.**

Test the Unit:
Activate an output circuit at the Controller. Verify that the corresponding lamp illuminates. If the unit fails to operate, contact *ISIMET* or a factory representative.