OLY

Panel Installation & System Layout

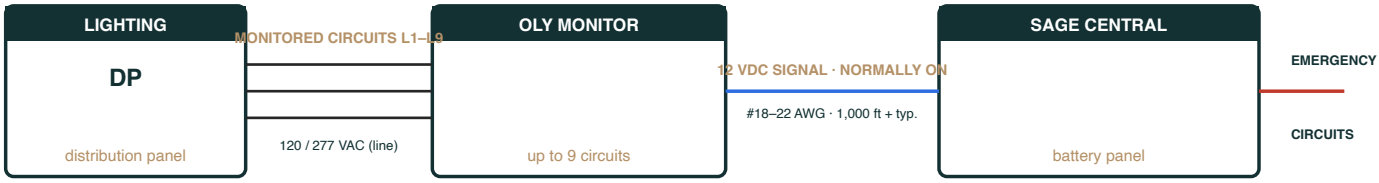
Installation Instructions

For use with Sage central-battery emergency lighting

DESCRIPTION & GENERAL LAYOUT

The Olympus monitors 120 VAC or 277 VAC branch circuits supplying general lighting in egress pathways, and connects to one or more Sage central-battery panels supplying emergency lighting in the same areas via a normally-ON 12 V signal. Failure of any monitored branch circuit — or the opening of its breaker — turns the 12 V signal OFF, and the central battery immediately activates emergency lighting in the area. Each Master is typically installed near a lighting panelboard and monitors up to nine (9) circuits. Circuits in different panelboard locations: connect up to four (4) Olympus panels to one central battery (36 circuits total, signal runs of 1,000 ft and more on #20–22 AWG). Circuits in a single or nearby panelboard: connect a Master to up to two (2) Remotes — eight (8) circuits each — for 25 circuits on one signal pair, or up to four (4) Remotes (41 circuits) with the R4 option.

SYSTEM LAYOUT



Any monitored breaker opening (or circuit failure) drops the 12 V signal — the central battery activates emergency lighting immediately.

IMPORTANT SAFEGUARDS — READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. Disconnect AC power before servicing.
2. Refer to the wiring diagram for proper connections.
3. All servicing should be performed by qualified personnel.
4. Consult your local building code for approved wiring and installation.
5. Do not use outdoors.
6. Do not use this equipment for other than its intended use.
7. Do not let power cords touch hot surfaces.
8. Mount and secure the unit at a location and height that avoids ready access and tampering by unauthorized persons.
9. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.

SAVE THESE INSTRUCTIONS

OLY

Wiring, Signal Connection & System Test

Installation Instructions
Model OLY

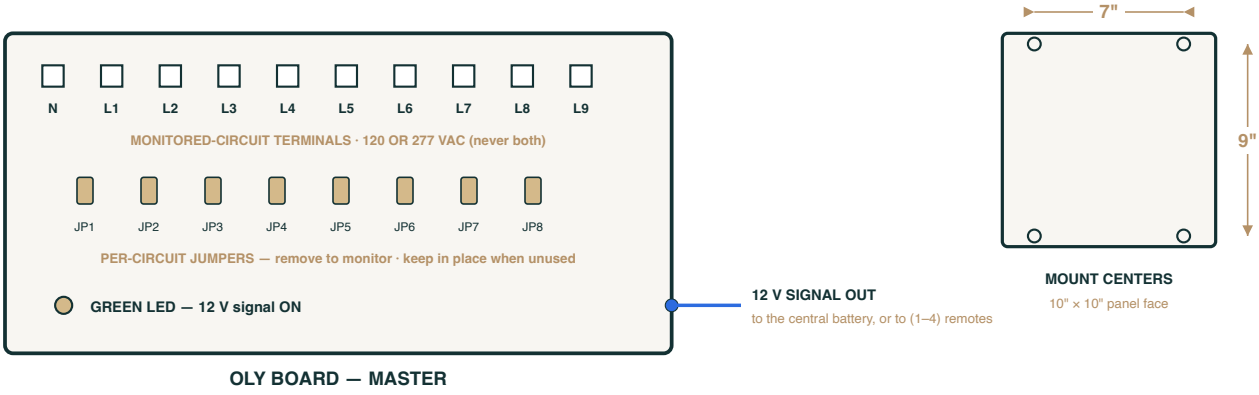
A) PANEL INSTALLATION & AC INPUT WIRING

1. Install anchors on 9 × 7 in centers and mount the panel in a convenient location near the distribution panel (DP) to be monitored.
2. Route the common NEUTRAL from the DP to the marked terminal, and connect a ground wire to the housing screw location provided.
3. Route up to nine 120 or 277 VAC LINE connections from the HOT (breaker) side of the branch circuits to be monitored, using wire sized for the circuit capacity. L1 must be connected — it powers the panel board. Either 120 VAC or 277 VAC may be monitored on one panel, never both. Remove jumpers JP1–JP8 for each circuit to be monitored; a jumper must remain in place for any unused branch circuit. The green LED confirms the 12 V signal output is ON.

B) SIGNAL WIRING & SYSTEM TEST

4. Route two conductors for the 12 V signal from the Olympus terminal to the selected central-battery panel — or to one or two Remote panels. Wire #18–22 AWG; runs of 1,000 ft and more are typical.
5. At the central battery, connect the 12 V signal wiring to the 2-wire pigtail marked as the monitor input relay. Connections are not polarity-sensitive. Up to four monitor inputs may be provided in the central battery.
6. With all branch circuits ON, breakers closed, and power supplied to the Olympus, confirm the 12 VDC signal is ON at the central-battery monitor input.
7. Activate the central battery (connect the battery plug and turn the AC supply ON, per its installation guide). With the 12 V activation signal ON, the central battery remains in NORMAL mode — emergency OFF.
8. Test the system: open any monitored breaker — the connected central battery should immediately activate EMERGENCY mode.

CONTROL BOARD & MOUNTING



OLY BOARD — MASTER