



# SYNERGY

INNOVATIVE DIVING EQUIPMENT TRADING LLC

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The DP Alarm Control Panel is a centralized interface designed to provide clear, real-time status indication and control in support of Dynamic Positioning (DP) operations, particularly in diving or marine environments. This panel ensures critical operational data is visually and audibly communicated to operators, enabling timely decision-making and enhancing personnel safety.

The panel features a series of LED status indicators and dedicated control switches corresponding to varying operational conditions of the DP system.

The unit is equipped to forward alarm signals directly to dive control stations to maintain synchronized situational awareness. Integrated power management ensures reliable performance in harsh marine conditions.

**Product Code: SY-DPA-SCU**

**Main Features and Components:**

**LED Status Indicators:**

- › **Main Power (White)** – Indicates system is powered and operational.
- › **Normal Operation (Green)** – Confirms DP system is in stable working condition.
- › **Degraded Operation (Yellow)** – Signals that DP performance is below optimal parameters.
- › **Emergency Condition (Red)** – Alerts of a critical DP fault or failure requiring immediate action.



## DP ALARM CONTROL PANEL



### Control Switches:

- › **Green Switch** – Operator interface for acknowledging system status or initiating control sequences.
- › **Amber/Yellow Light Switch** – Used to signal degraded or cautionary conditions manually.
- › **Red Emergency Switch** – Emergency shutdown or alert switch for immediate operator response.
- › **Power Switch** – Controls main input power to the panel.

### Alarm Functionality:

- › Audible alarm system for status change and emergency events.
- › Alarm signals routed to Dive Panel(s) for remote awareness.
- › Multiple outputs for redundancy: TO DIVE PANEL – DP ALARM (×3 or more).

### Power Supply and Conversion:

- › **Input Power:** 220 VAC, 50/60 Hz
- › **Integrated Converter:** Steps down from 220 VAC to 24 VDC for internal components.

### Technical Specification:

- › **Power Supply:** 220 VAC input
- › **Alarm Output:** Multi-line output to dive control systems
- › **LED Indicators:** High-visibility, marine-grade LEDs in color-coded format
- › **Protection Rating:** IP66 (Front Fascia Only)
- › **Operating Temperature:** -40°C to +70°C
- › **Dimensions:** Custom rack mount, typically 2U height x 364mm depth
- › **Compliance:** Built in line with HSE regulations and BSI quality standards

SYNERGY offers complete servicing, spares, and recertification packages upon request. Please refer to Section 3 for detailed servicing schedules and certification requirements.

For further technical assistance or purchasing inquiries, contact our sales team at +971 4 25807533.



## SYNERGY INFRASTRUCTURE







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## DP ALARM CONTROL PANEL

## Contact us



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