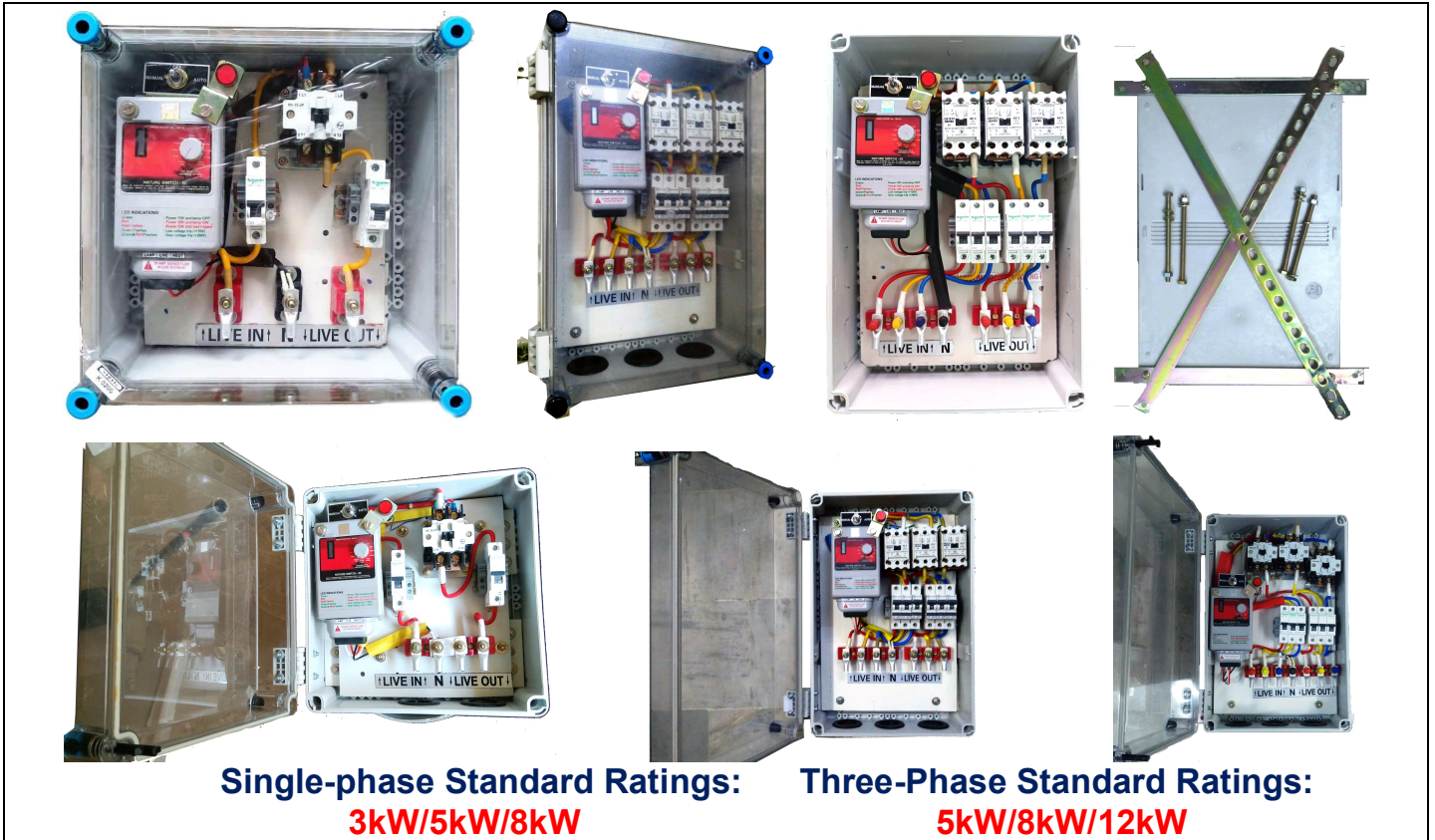


Single-Phase/3-Phase Integrated Models
in **HENSEL** make Enclosures (conforming to **IP66**) are available as

SWADEEP-66-...kW..P



Single-phase Standard Ratings:
3kW/5kW/8kW

Three-Phase Standard Ratings:
5kW/8kW/12kW

Key Advantages of HENSEL Enclosures:

- Ingress Protection-**IP66** (Dust & Powerful jet water proof) as per IEC 60529
- Burning Behavior- **Glow Wire test at 960 °C** as per IEC 60695-2-11, **Self-Extinguishing & Flame Retardant**
- Toxic Behavior – **Silicone Free, Halogen Free, Corrosiveness of Fumes** as per IEC 60754-2. Hence, its **Environment Friendly & Recyclable**
- Locking Arrangement: **Transparent Lid is fitted with half-turn spring return fasteners for easy operation**
- Material: **Thermoplastic Polycarbonate, Durable for decades**

No. of Phase	Model	Contactor Rating (AC3)	MCB Rating	Max. Total Load	Circuit Wiring (Copper)
SINGLE PHASE	Swadeep-66-3kW1P	25 Amps	25 Amp	3-5 kW	10 sq. mm
	Swadeep-66-5kW1P	40 Amps	40Amp	5-8 kW	10 sq. mm
	Swadeep-66-8kW1P	63 Amps	63Amp	8-10 kW	16 sq. mm
THREE PHASE	Swadeep-66-5kW3P	16 Amps per phase	20Amp	5-8 kW	10 sq. mm
	Swadeep-66-8kW3P	25 Amps per phase	32Amp	8-12 kW	10 sq. mm
	Swadeep-66-12kW3P	40 Amps per phase	40Amp	12-18 kW	10 sq. mm

MAKE	Nature Switch:	Kakatiya Energy Systems/Bajaj/Healer Enterprises
	Contactor make:	L&T/BCH/Schneider
	MCB make:	Hager/Schneider/L&T(Exora)/Legrand
	Enclosure:	Hensel, GE, Walther or equivalent
	Circuit Wiring:	Polycab/Finolex

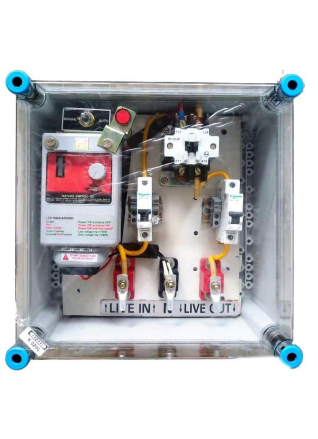
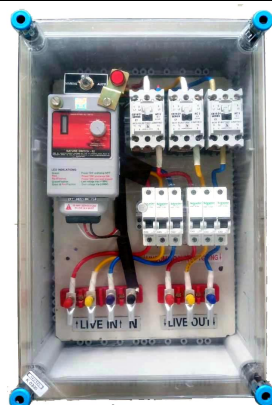
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 Phone: +91 98932 75759 📞, +91 91317 50090, 0755-2572958 E-mail: healerenterprises@gmail.com

General Specifications of Single-Phase/3-Phase Integral Unit with IP66 Enclosure (Hensel make), available as **SWADEEP-66-...kW...P:**

Supply & fixing of Automatic Street Light Control Switch using **Infrared Sensor** based **NATURE SWITCH** for automatic switching of Street Lights. Nature Switch operation should be based on Natural Light Lux* level. Required Illuminance Level for Switching ON is ≤ 60 Lux and for Switching OFF ≥ 10 Lux. The Sensor should also have part night operation facility of min. 4 hrs to max. 12 hrs.

The Sensor along with suitable Power Contactor(s) and Incoming-Outgoing MCBs should be enclosed in a pole/wall mountable Rust Proof, Electric Shock Proof, Termite proof and FR grade **thermoplastic polycarbonate Enclosure (with HINGED LID)** conforming to **IP66 protection class 2**. The circuit should also have provision for Manual Operation (i.e. Sensor By-Pass option).

The Circuit should be suitable enough to take:

SINGLE - PHASE	Single-Phase load of 3kW (Swadeep-66-3kW1P) with: Contactor, Incoming MCB & Outgoing MCB rating of 20-25 Amps & main load Circuit Wiring (Copper) of min. 10 sq.mm	
	Single-Phase load of 5kW (Swadeep-66-5kW1P) with: Contactor, Incoming MCB & Outgoing MCB rating of 25-40 Amps & main load Circuit Wiring (Copper) of min. 10 sq.mm	
	Single-Phase load of 8kW (Swadeep-66-8kW1P) with: Contactor, Incoming MCB & Outgoing MCB rating of 40-63 Amps & main load Circuit Wiring (Copper) of min. 16 sq.mm	
THREE-PHASE	3-Phase load of 5kW (Swadeep-66-5kW3P) with: 3 nos. Contactors, 3 nos. Incoming MCBs & 3 nos. Outgoing MCBs of 16-20 Amps each & Circuit wiring (Copper) of min.10 sq.mm	
	3-Phase load of 8kW (Swadeep-66-8kW3P) with: 3 nos. Contactors, 3 nos. Incoming MCBs & 3 nos. Outgoing MCBs of 20-32 Amps each & Circuit wiring (Copper) of min.10 sq.mm	
	3-Phase load of 12kW (Swadeep-66-12kW3P) with: 3 nos. Contactors, 3 nos. Incoming MCBs & 3 nos. Outgoing MCBs of 32-40 Amps each and Circuit wiring (Copper) of min.10 sqmm.	

Make:

Nature Switch:	Kakatiya Energy Systems/BAJAJ/Healer
Contactors:	BCH/L&T/Schneider
MCBs:	HAGER/Schneider/L&T (Exora)
Enclosure:	Hensel, GE, Walther or equivalent
Circuit Wiring:	Polycab/Finolex or equivalent
Contactor should Conform to IEC-60947-4-1 / IS-13947-4-1 and MCBs should Conform to IEC-60898 / IS-8828	

*The Lux is the SI derived unit of illuminance and luminous emittance, measuring luminous flux per unit area

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