

Radar / Sensor Add-On

PIR / microwave radar trigger · layered onto any base drive · auto privacy

Doc code: PVS-SGS-DAT-PD-LDA · Rev 1.0 · Issued 2026-05-06 · Classification INTERNAL DRAFT

TECHNICAL SPECIFICATIONS

INPUT VOLTAGE	Pass-through 48 / 60 V AC from base drive
INPUT FREQUENCY	Inherits base drive
OUTPUT VOLTAGE	Switched 48 / 60 V AC to PDLC panel based on sensor logic
OUTPUT WATTAGE	Inherits base-drive rating (≤ 200 W typical)
CHANNELS	1 output (one zone per LD-A)
SENSOR TYPE	Microwave radar (default) or PIR (variant) — selectable at order
DETECTION RANGE	Microwave: up to 6 m radial · PIR: up to 5 m cone [VERIFY]
DWELL TIME (adjustable)	5 s — 5 min (rotary trim)
SENSITIVITY	Adjustable (rotary trim)
CONTROL — OVERRIDE	Manual lockout switch (cuts sensor) · base drive remote retains control
ENCLOSURE	Plastic add-on cassette, indoor
IP RATING	IP20
AMBIENT (operating)	-10 °C to +50 °C
PROTECTION	Inherits base-drive protection · sensor lockout on power-cycle
DIMENSIONS (W×D×H mm)	100 × 60 × 30 [VERIFY]
WEIGHT	≈ 0.15 kg [VERIFY]
APPROVALS	CE · UKCA
WARRANTY	12 months (sensor)
LEAD TIME	5–10 working days UK · 14–21 working days GCC
PER-FAMILY MANUAL	PVS-SGS-ANX-LDA-01 Rev 1.0 (Integration Annex) — full Strict + UAE manuals on roadmap Q3 2026

TYPICAL APPLICATIONS

Smart-mirror auto-on · executive WC dwell-and-clear · meeting-room auto-privacy on entry · museum exhibit dwell trigger · premium retail fitting-room.

NOTES

- [VERIFY] markers identify supplier-quoted values not yet independently re-tested by PRIVASEE.
- PDLC operates with low-voltage AC. Never connect to DC mains. (LP-002)
- TOSSEAL 381 is the only approved silicone for PRIVASEE smart-glass installations. (LP-003)
- For comparative selection across families, see PVS-SGS-CAT-PD-01 Power Drive Catalogue.
- Installation by a licensed electrician using the per-family manual cited above. PRIVASEE does not authorise site work from this datasheet alone.