



EXTERNAL LIGHTING LEGEND

BUILDING UP \ DOWNLIGHTER
GILA WALL LIGHT AGLED/WL*

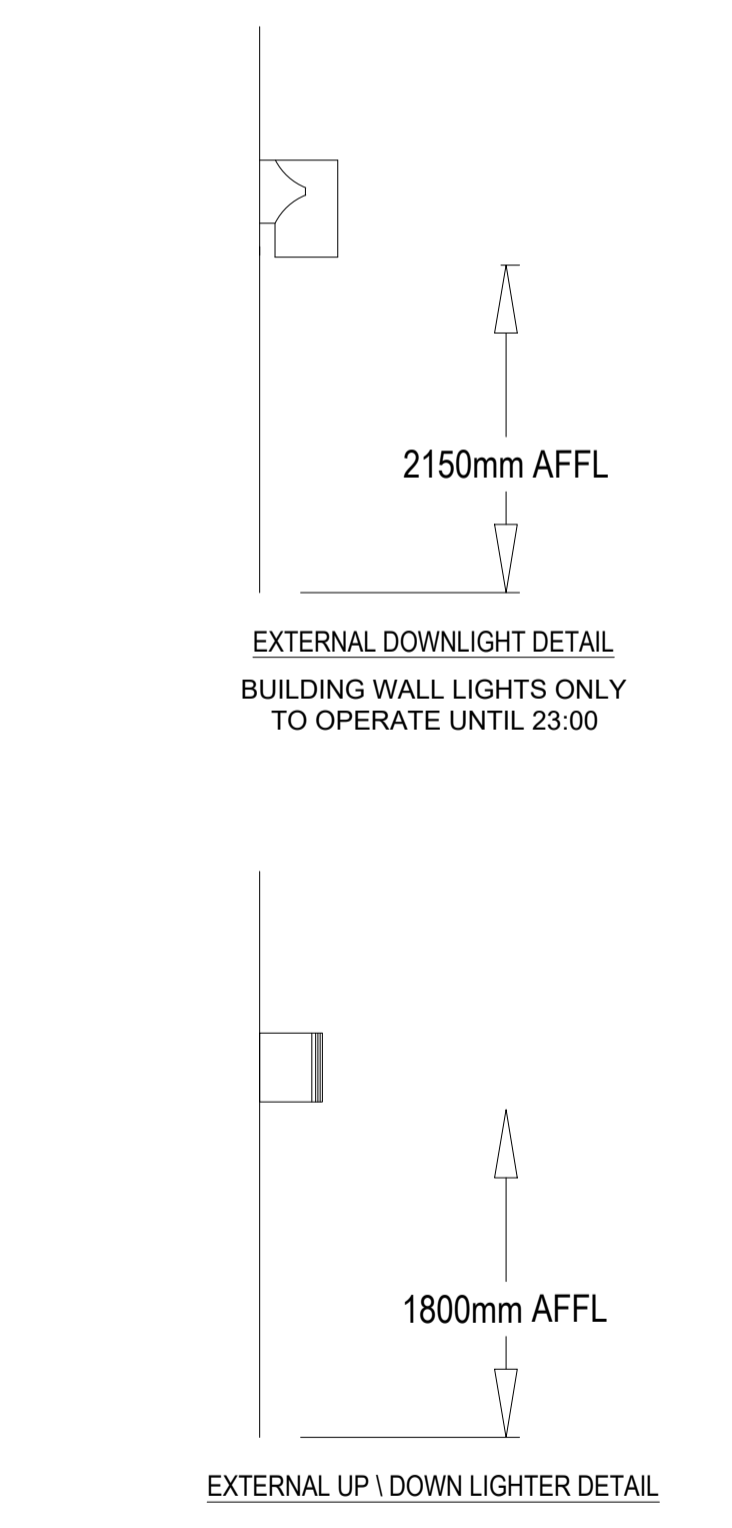
CAR PARK BOLLARD LIGHTING
DECO 2.0 KINGFISHER 1000mm BOLLARD LIGHTS
ON SOLAR TIME CLOCK KEPT ON ALL NIGHT

CONNECTION POINTS FOR BOLLARD LIGHTING

EXTERNAL DOWNLIGHT
ANSELL REEF CCT DIRECTIONAL WALL LIGHT
5w LED FLOODLIGHT ON SOLAR TIME CLOCK,
SWITCH OFF BETWEEN 23:00 & 07:00

ELECTRIC VEHICLE CHARGING STATION

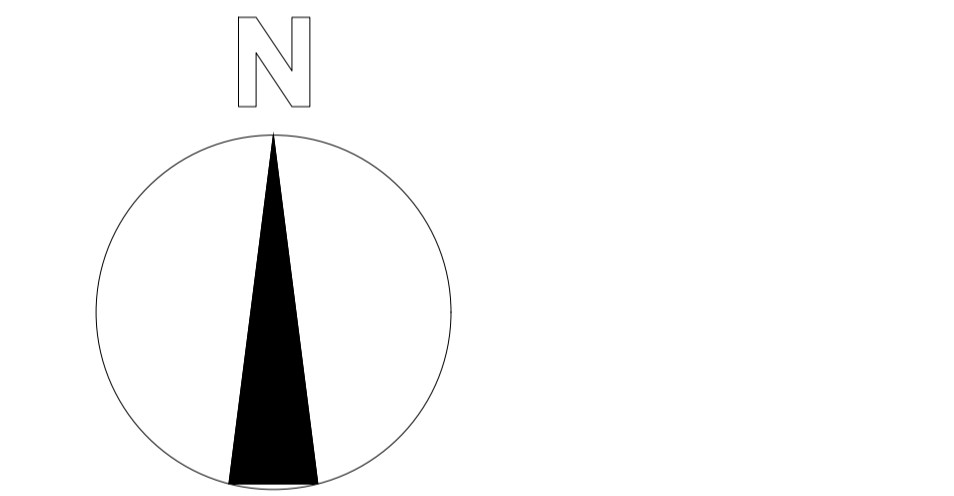
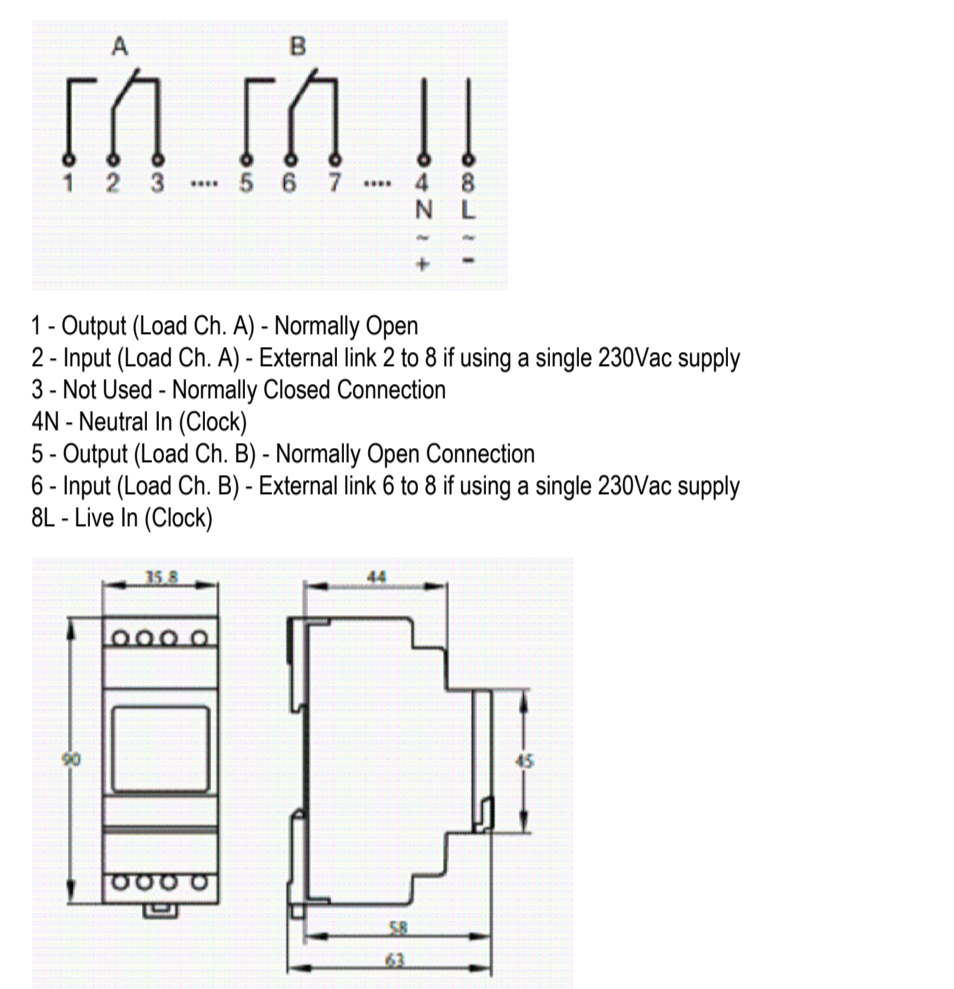
CONNECTION POINT FOR EV STATION



Suntracker DIN 72201

Two Module, Two Channel Solar Time Switch

Supply voltage	230 V, 50-60 Hz
Power consumption (real power)	0.8 - 1.8 W (depending on the switching status)
Channel (potential-free)	Change-over, contact gap <math>< 1mm</math>
Contact material	AgSnO ₂
Switching capacity	16A / 250 V ~ at cos φ = 1 10A with inductive load cos φ = 0.6 1,000 mW (100V/10mA)
Min. switching power	1,000 mW (100V/10mA)
Max. starting current	50A
Filament Lamp	2,000 W
Halogen Lamp	2,000 W
Fluorescent Lamp uncompensated	1,000 VA
Fluorescent Lamp series compensated	1,000 VA
Fluorescent Lamp parallel compensated	550 VA
Fluorescent Lamp double switch	1,000 VA
Mercury Discharge Lamp uncompensated	4 x 125 W, 2 x 250 W, 1 x 400 W, 1 x 700 W
Mercury Discharge Lamp parallel compensated	6 x 50W (7 μF), 4 x 125W (10 μF), 2 x 250W (18 μF), 1 x 400 W (25 μF), 1 x 700 W (40 μF)
Sodium Discharge Lamp uncompensated	2 x 250 W, 1 x 400 W
Sodium Discharge Lamp Parallel compensated	2 x 150W (20 μF), 1 x 250W (32 μF), 1 x 400W (45 μF)
Compact Fluorescent Lamp convent. lamp ballast	1,000 VA
Compact Fluorescent Lamp electron. lamp ballast	4 x electronic lamp ballast, power independent
LED 230 V AC	400 W
LV Halogen or LED with electronic ballast	400 W
Astro ON/OFF, Night ON/OFF, Extra ON/OFF	800W
Offset Astro switching time	± 90 min.
Memory Locations	60
Minimum interval	1 min
Power back-up (at 20°C)	approx. 10 years
Program security	unlimited (E-EPROM)
Quartz crystal accuracy (at 20°C)	± 10.5 seconds
Permitted ambient temperature	-30°C to +55°C
Enclosure	self-extinguishing thermoplastic
Distribution board mounting	35 mm DIN-rail (DIN EN 60715)
Type of protection	IP20 to DIN EN 60529



ALL BOLLARDS TO BE INSTALLED 1m BACK FROM
CAR PARK BOUNDARY/PATH EDGE.

CAT 6 TO RUN TO ALL EVCP EXTERNAL
CONNECTION POINT.

FROM CONNECTION POINT TO EVCP TO BE WIRED
IN ULTRA EV 6mm 3 CORE SWA CAT SE

REV	DATE	DETAILS OF AMENDMENTS	DRAWN

LNT Construction
Unit 2, Helios 47, Isabella Road, Garforth, Leeds, LS25 2DY
Tel: 0113 385 3850

SITE	GRAVEN HILL BICESTER
TITLE	EXTERNAL LIGHTING PLAN
SCALE	1:250 @ A1
DRAWING NO.	416 E-103
DRAWING STATUS	CONSTRUCTION