

EVACLITE

Product Data Sheet

Athena

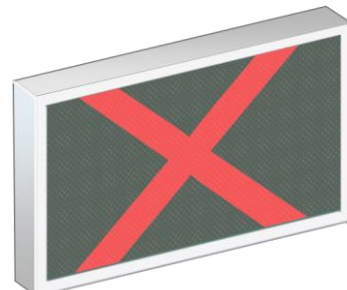
LED Dynamic Emergency exit sign



standard ISO7010



US Exit*



standard no entry option

Overview

Introduction

The Athena is a highly adaptable, self-test (or manual), maintained or non-maintained, LED screen based, dynamic emergency exit sign.

The screen icons/legend and the sign's state and behaviour may be changed by the user. There are 16 different icons/legends and several behaviours to choose from to suit the need via switches located on the unit.



*Additional legends and markings may be programmed/added upon request.

Images are for illustrative purposes only and may vary from physical unit.



Operation

Switch operation is broadly as follows:

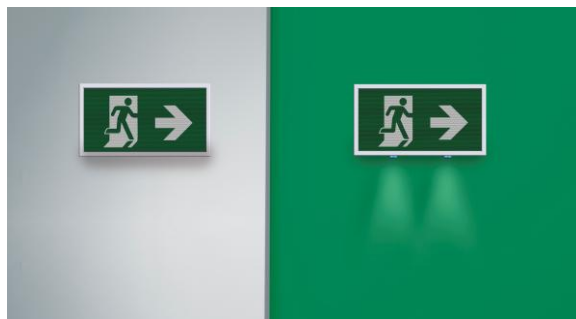
- DS1 icon/legend in normal operation.
- DS2 icon/legend in emergency operation.
- DS4 static or dynamic, in normal and emergency operation, maintained and non-maintained.

Additional functions



Lens for anti-panic area

Lens for escape route area



EvacLite Ltd
Thorncroft Manor
Thorncroft Drive
Leatherhead
Surrey
KT22 8JB

01633 4040999
info@evacLite.com
www.evacLite.com



European manufacturers

Images are for illustrative purposes only. EvacLite Ltd reserves the right to change any specification, function or appearance without notice



EvacLite Product Data Sheet – Athena Rev01

EVACLITE

Product Data Sheet

Athena

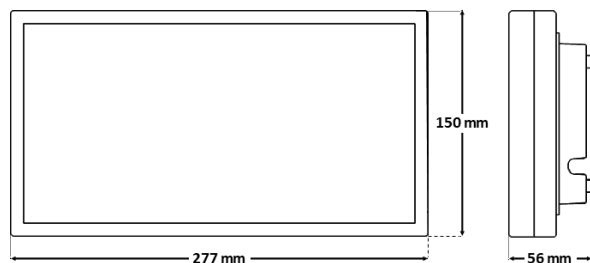
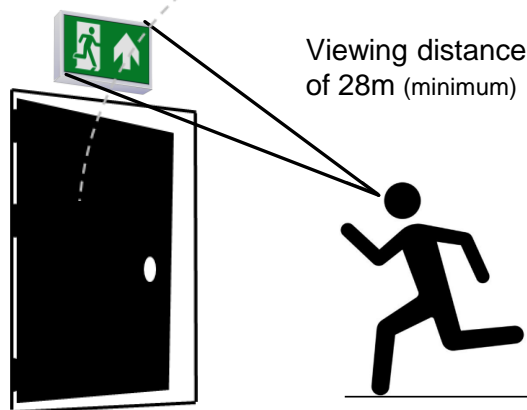
LED Dynamic Emergency exit sign

Technical

Manual/Self-test

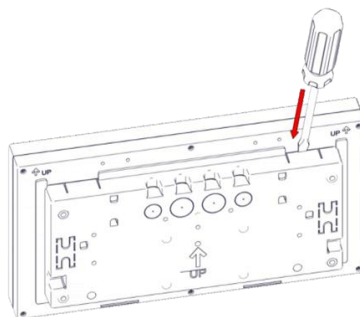
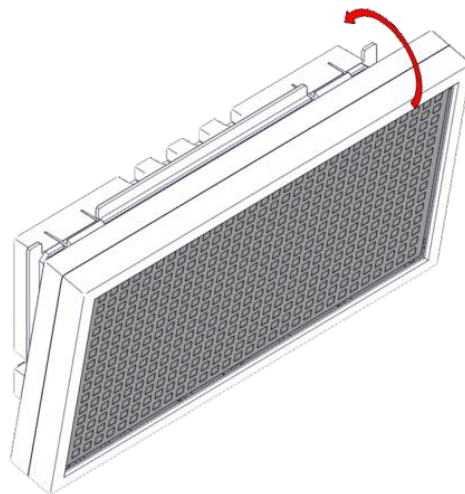
GREEN (charge)	RED (fault)	Description
●	○	Normal
●	○	Charging (autonomy test not possible while charging)
○	○	Mains off (battery not connected or charger fault)
●	○	Autonomy Test (Duration: 1h, 3h, 8h)
⊘	●	Battery Fault
●	○	Operational Test (Duration: 3s)
⊘	●	Light Source Fault
⊘	●	Battery Fault & Light Source Fault
Note:		● Permanently ON ● Fast Blink ● Slow Blink ○ Off ⊘ Non relevant

Dimensions



Installation

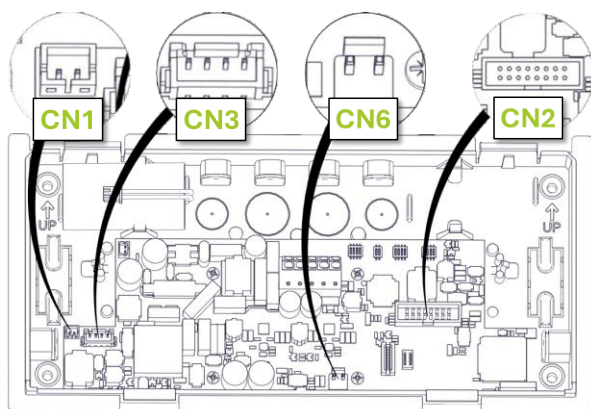
Athena has multiple installation options. It may be mounted flat to the wall or solid, vertical surface, tangentially to the wall via an 'L' bracket or suspended from the ceiling at different heights via a hanging bracket, thus:



Place a flat-bladed screwdriver into both notches to disassemble.

Technical contd.

Installation



Connect the panel's cables to the appropriate connectors on the terminal block:

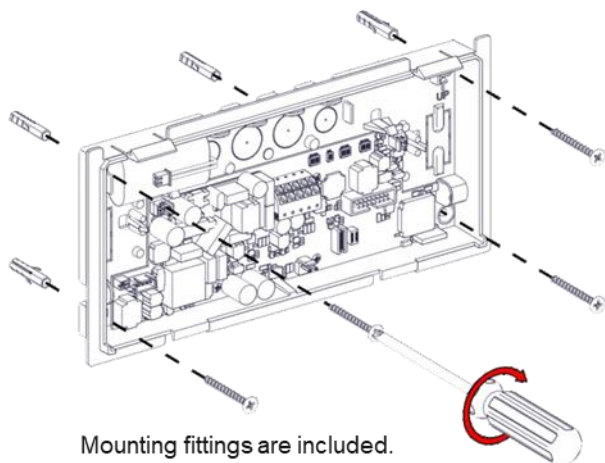
CN1 is used for the downlight located at the bottom of the luminaire.

CN3 is used for the indication LEDs and the test button.

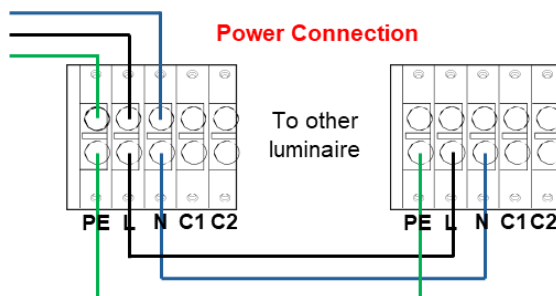
CN6 is used to supply power to the panel.

CN2 is used for connecting the panel.

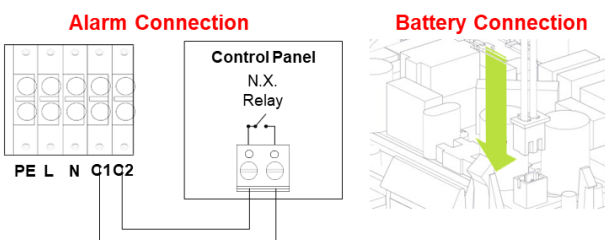
It is recommended to connect the power supply cable to the panel (CN6) last.



Connections



Power supply cables should be 0.8–2.5 mm²



The luminaire can connect to any control panel that can send an alarm signal.

Once triggered, the icons/legends change in according to the user's choice, provided that the terminal block of the panel is connected the terminal block of the luminaire.



Technical contd.

Specification

part numbers

	ATH-1000 ATH-1002	ATH-1001 ATH-1003
OPERATION VOLTAGE	220 - 240V AC / 50-60Hz	
MAXIMUM POWER CONSUMPTION	12W / 12.5VA	
SUPPLY CURRENT	60mA	
U-OUT	6V	
Prated	18W	
Irated	300mA	
MAX. OPERATION CIRCUIT VOLTAGE	6V	
WIRE CROSS SECTION	0.8 - 2.5mm ²	
MINIMUM POWER FACTOR	0.96	
INSULATION BETWEEN SUPPLY & CONTROL TERMINALS	Basic Insulation	
INSULATION BETWEEN SUPPLY & BATTERY CIRCUIT	Basic Insulation	
BATTERY (LiFePO ₄)	6.4V / 1200mAh	2 x 6.4V / 1200mAh
BATTERY PROTECTION	Deep discharge and overcharge protection The control gear will recharge the battery normally after the test of 22.3	
MIN. MAX. DISCHARGE VOLTAGE	5.4V - 7.1V	
MIN. MAX. DISCHARGE CURRENT	550-710mA	
MIN. MAX. CHARGE CURRENT	100 -200mA	
TRICKLE CHARGE VOLTAGE/CURRENT	7.1V - 0mA	
MAX CHARGER VOLTAGE	7.5V	
INDICATIONS/CONTROLS	LED Fault, LED Charge / Test Button	
CHARGE TIME	16 hours	23 hours
MINIMUM DURATION	1 hour	3 hours
DOWNLIGHT LIGHT SOURCE*	2 White Power LED	
DOWNLIGHT LUMINOUS FLUX (MAINS)*	160lm	
DOWNLIGHT LUMINOUS FLUX (EMERGENCY)*	135lm	55lm
DEGREES OF COVER PROTECTION	IP20	
PRODUCED IN ACCORDANCE WITH	EN 60598-1, EN 60598-2-22, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3	
OPERATION TEMPERATURE RANGE	5 - 40°C	
CONTROL GEAR MAX. TEMPERATURE: tc	62°C at Q3	
RELATIVE HUMIDITY	Up to 95%	
CONSTRUCTION MATERIAL	ABS/PC, PC	
EXTERNAL DIMENSIONS (L x W x H)	277x 150x 56 mm	
WEIGHT	760gr	840gr
GUARANTEE	10 years	
CONTROL GEAR WITH AUTOMATIC TEST FUNCTION	EL-T	

LED Characteristics*

VOLTAGE RANGE	2.6V - 2.7V
NOMINAL POWER (1h / 3h / 8h)	0.8W
CONNECTIONS	Cable connection
TEMPERATURE (tc)	43°C max. across the board

*Note: LED characteristics and downlight are only relevant to models:
ATH-1002 & ATH-1003